

FIG. 1

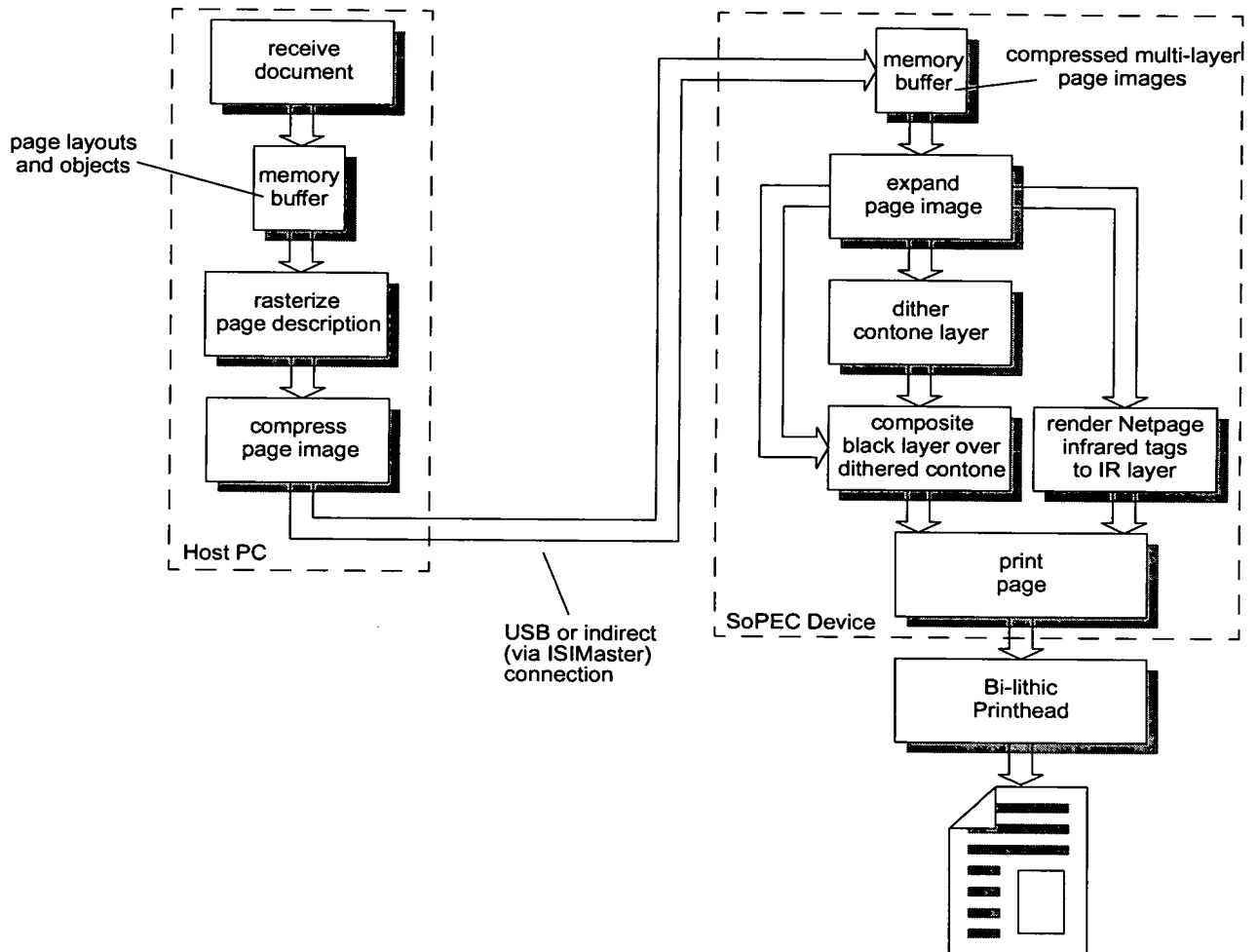


FIG. 2

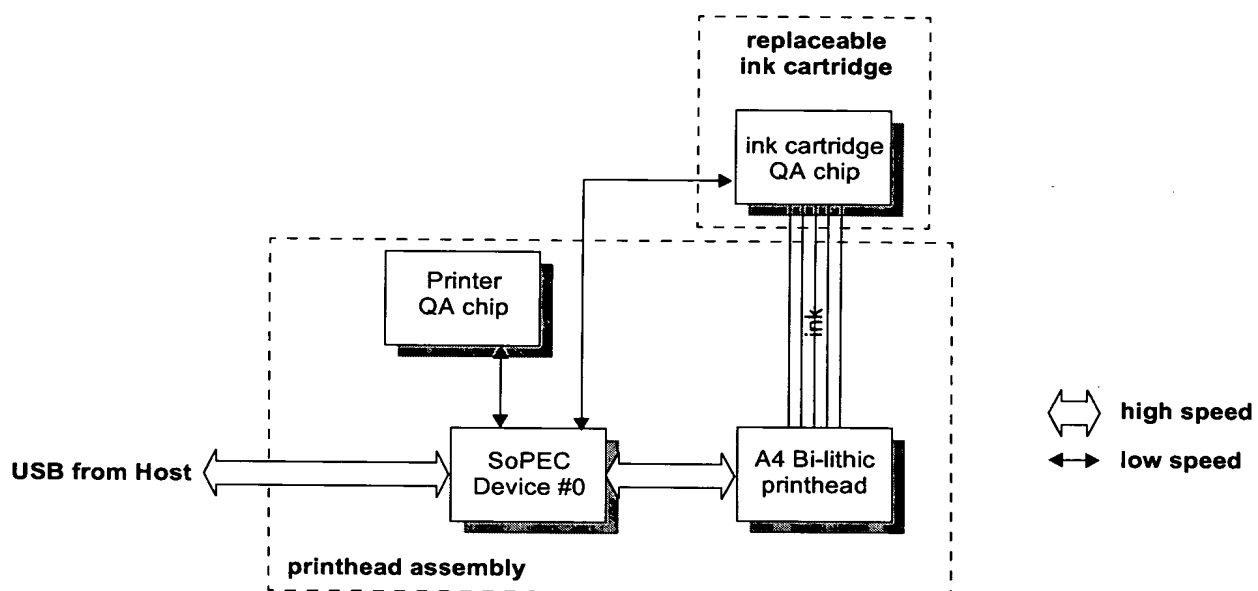


FIG. 3

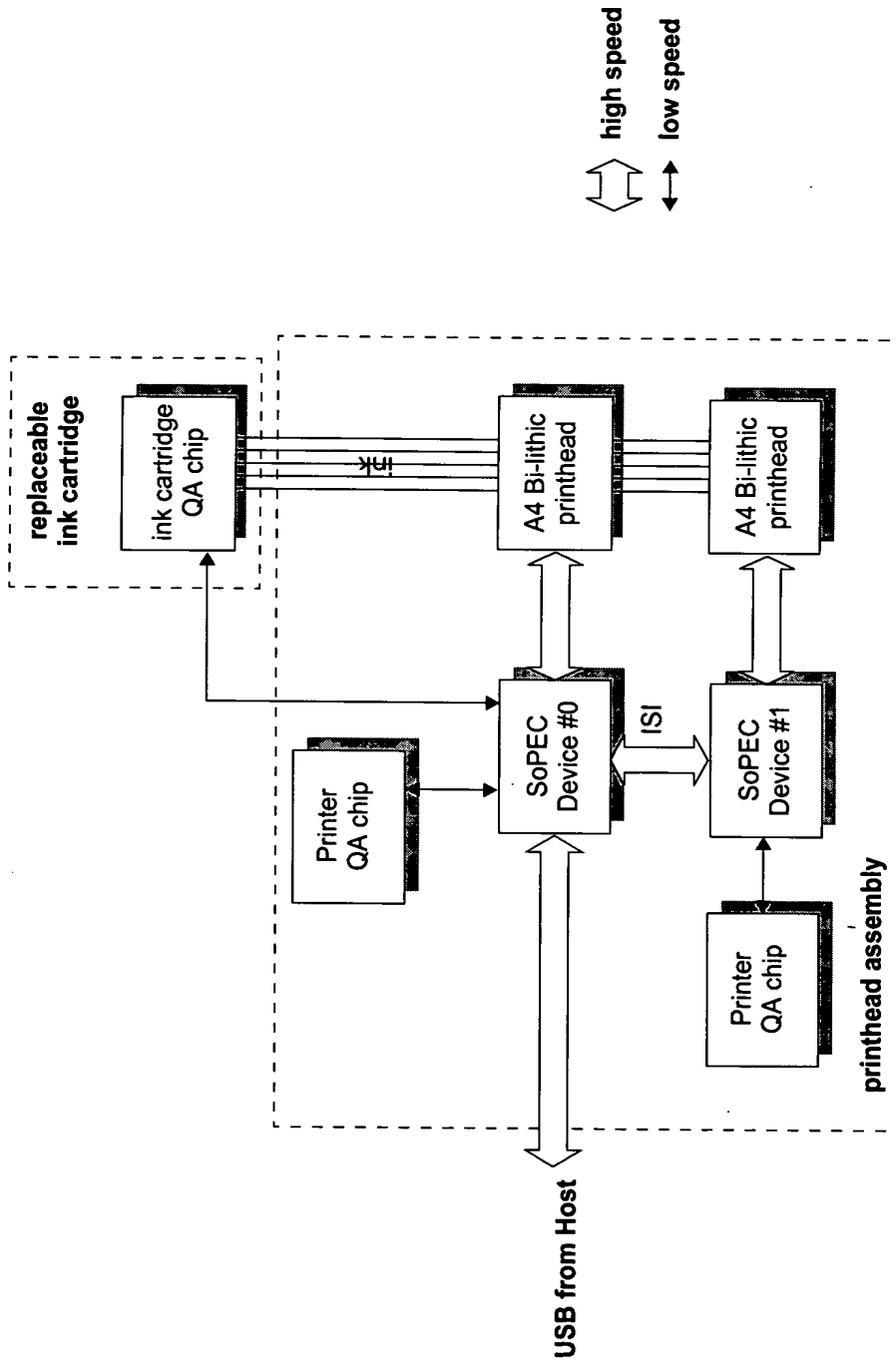


FIG. 4

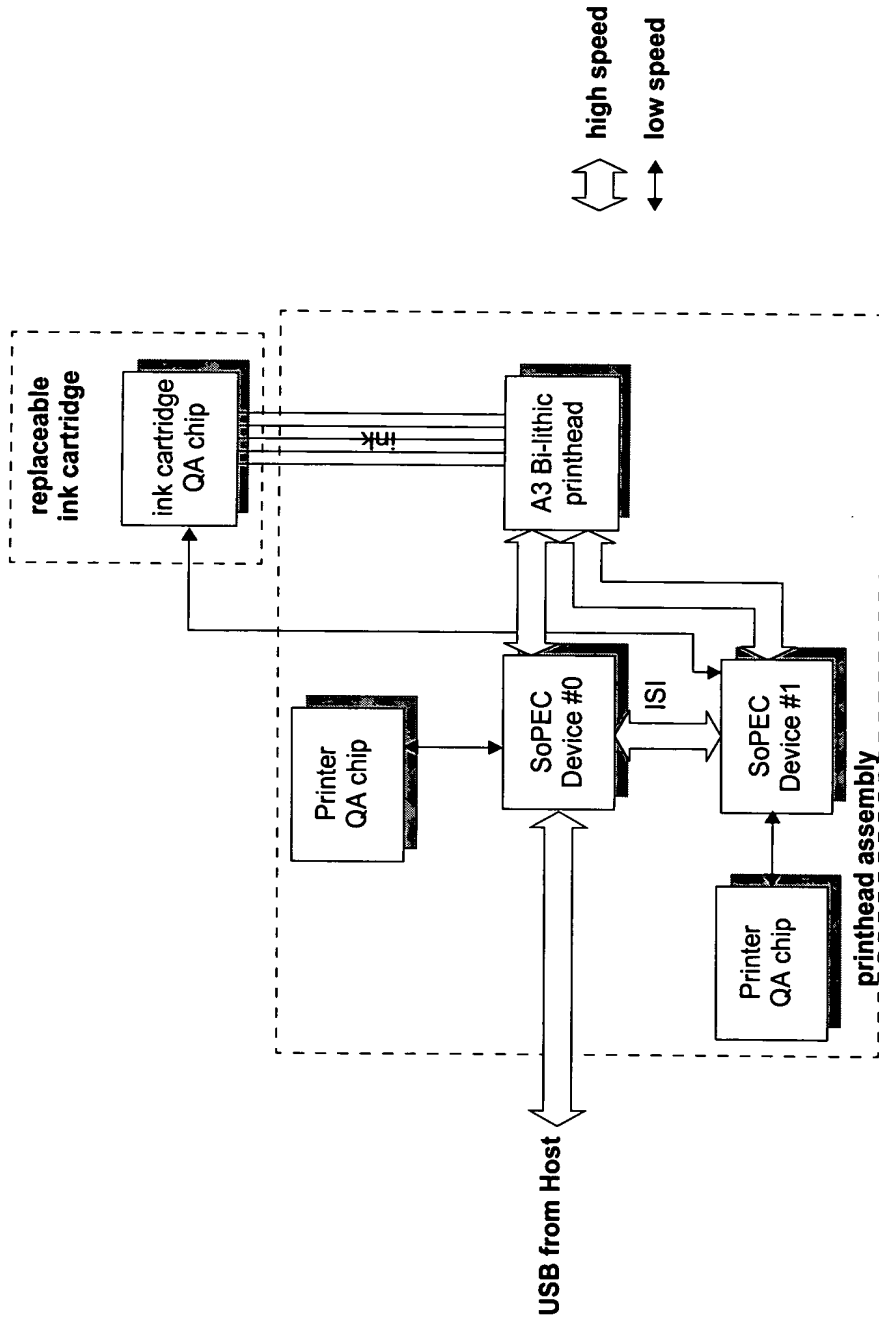


FIG. 5

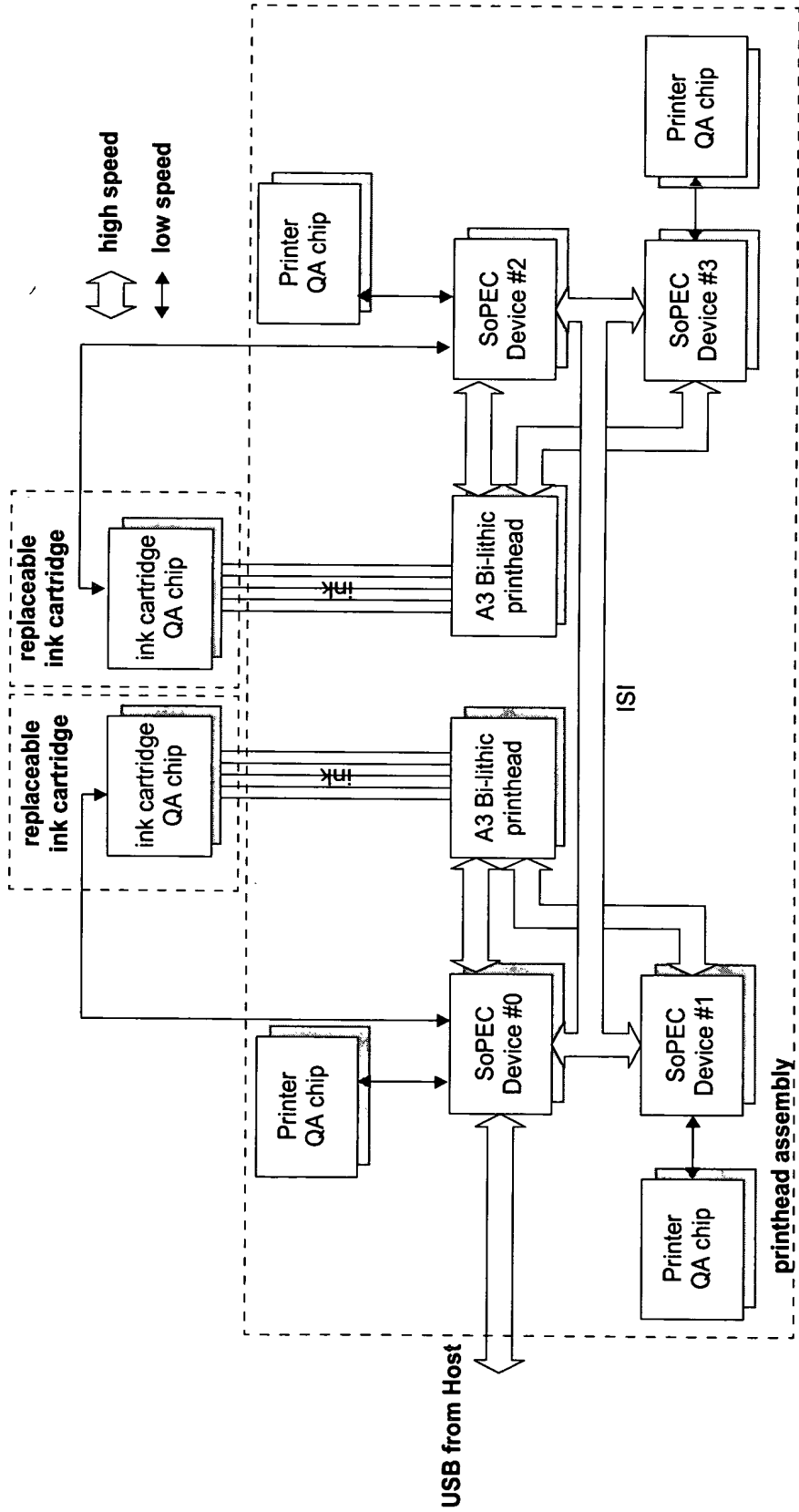


FIG. 6

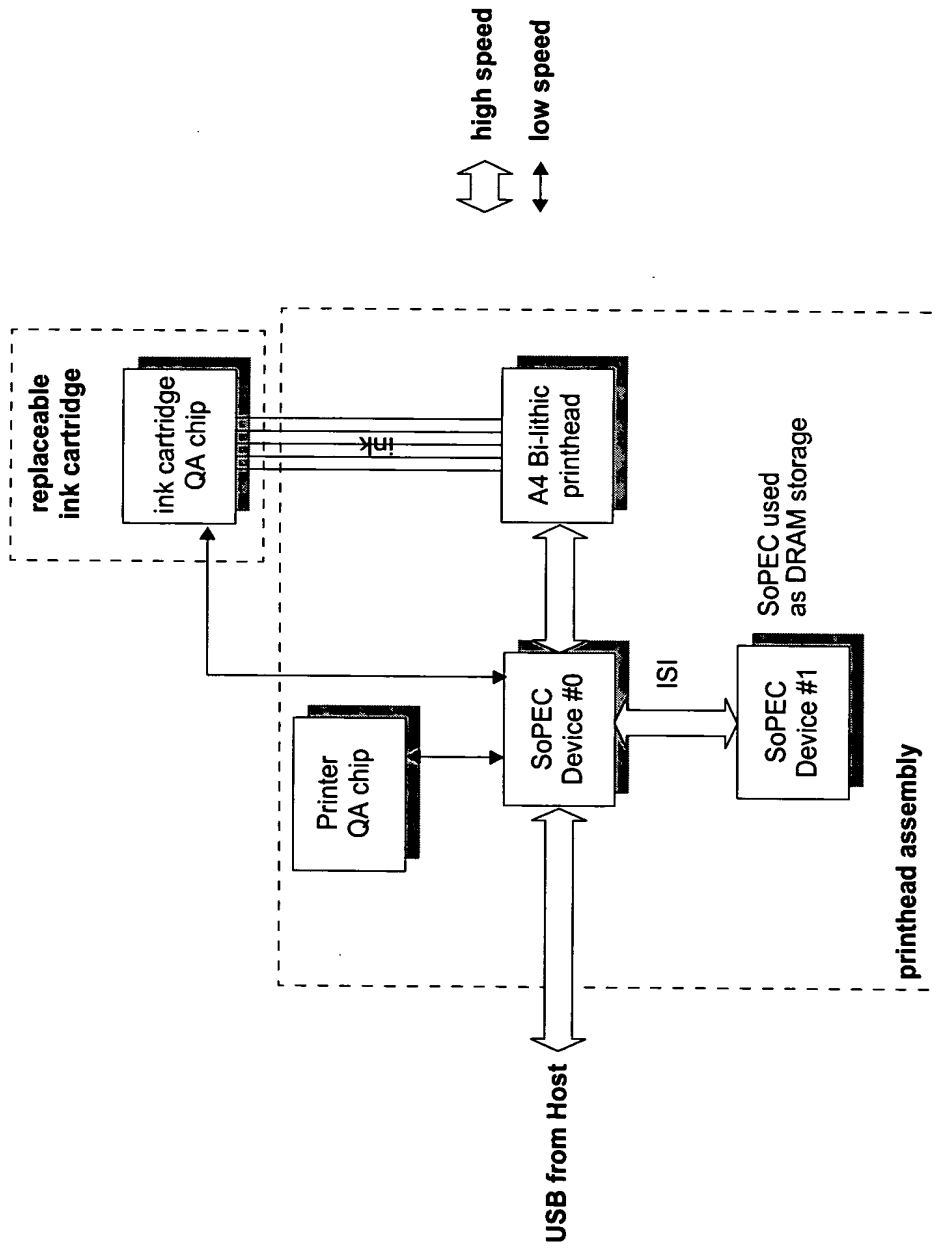


FIG. 7

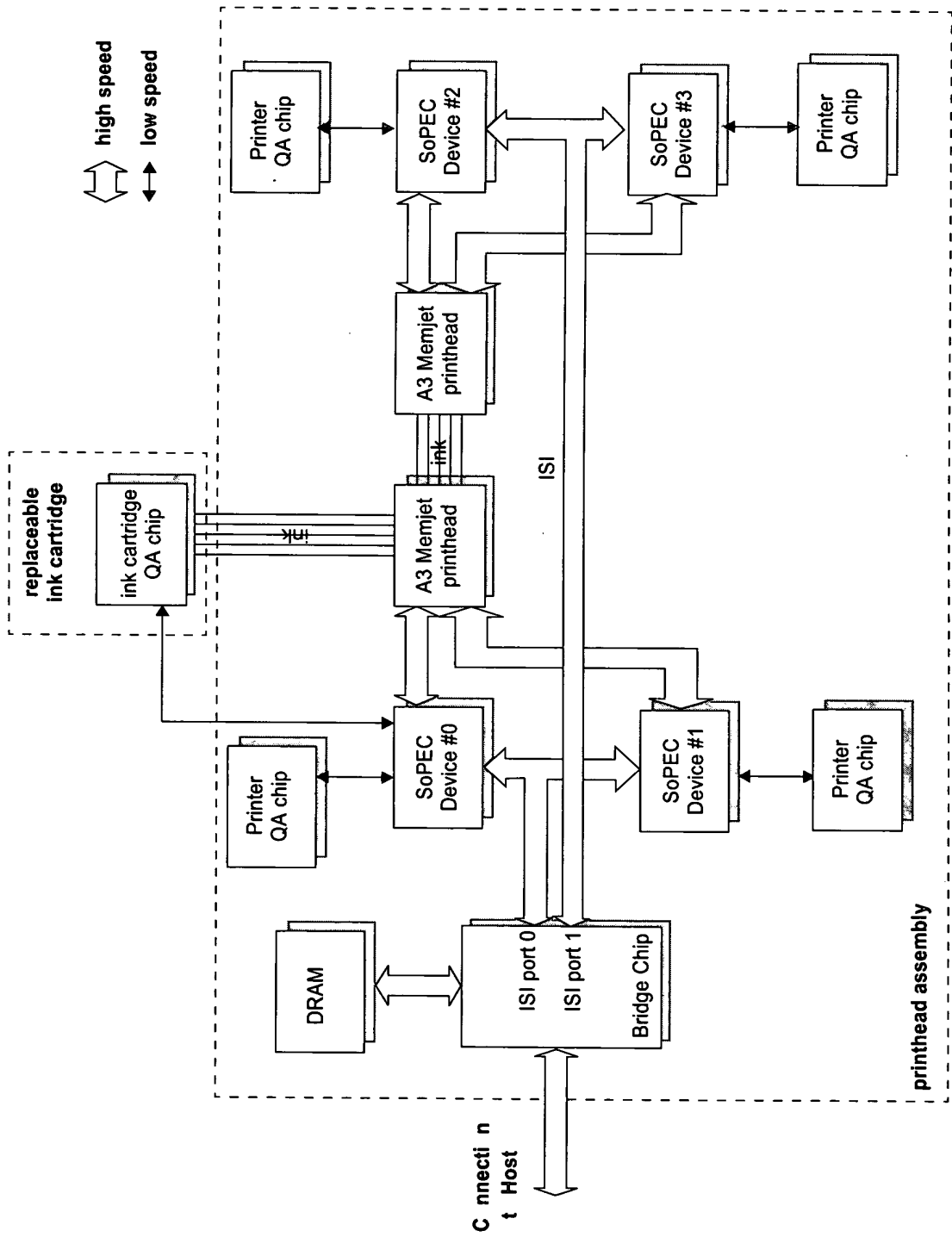


FIG. 8

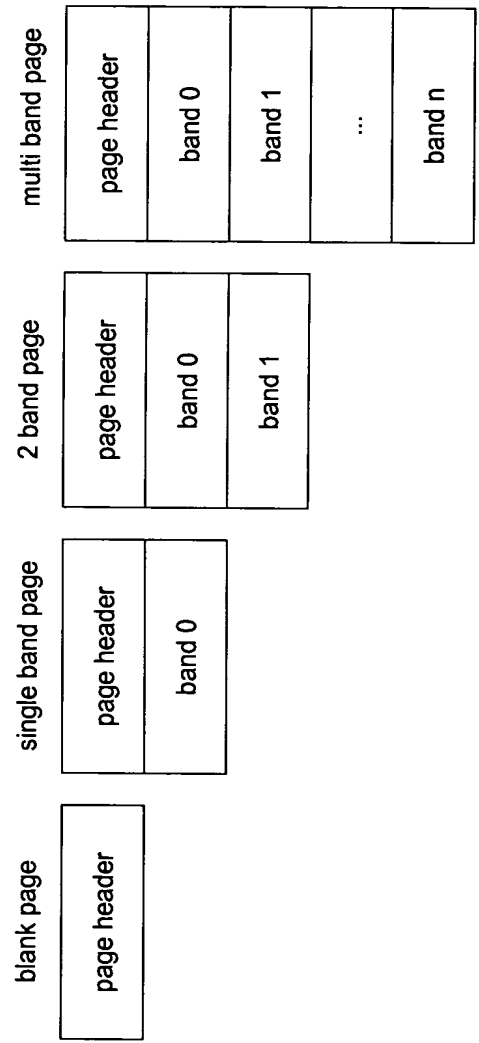


FIG. 9

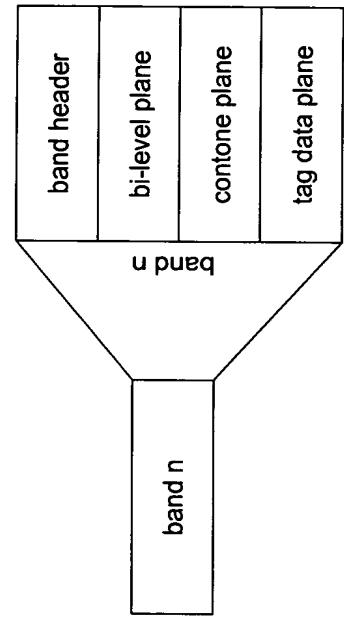


FIG. 10

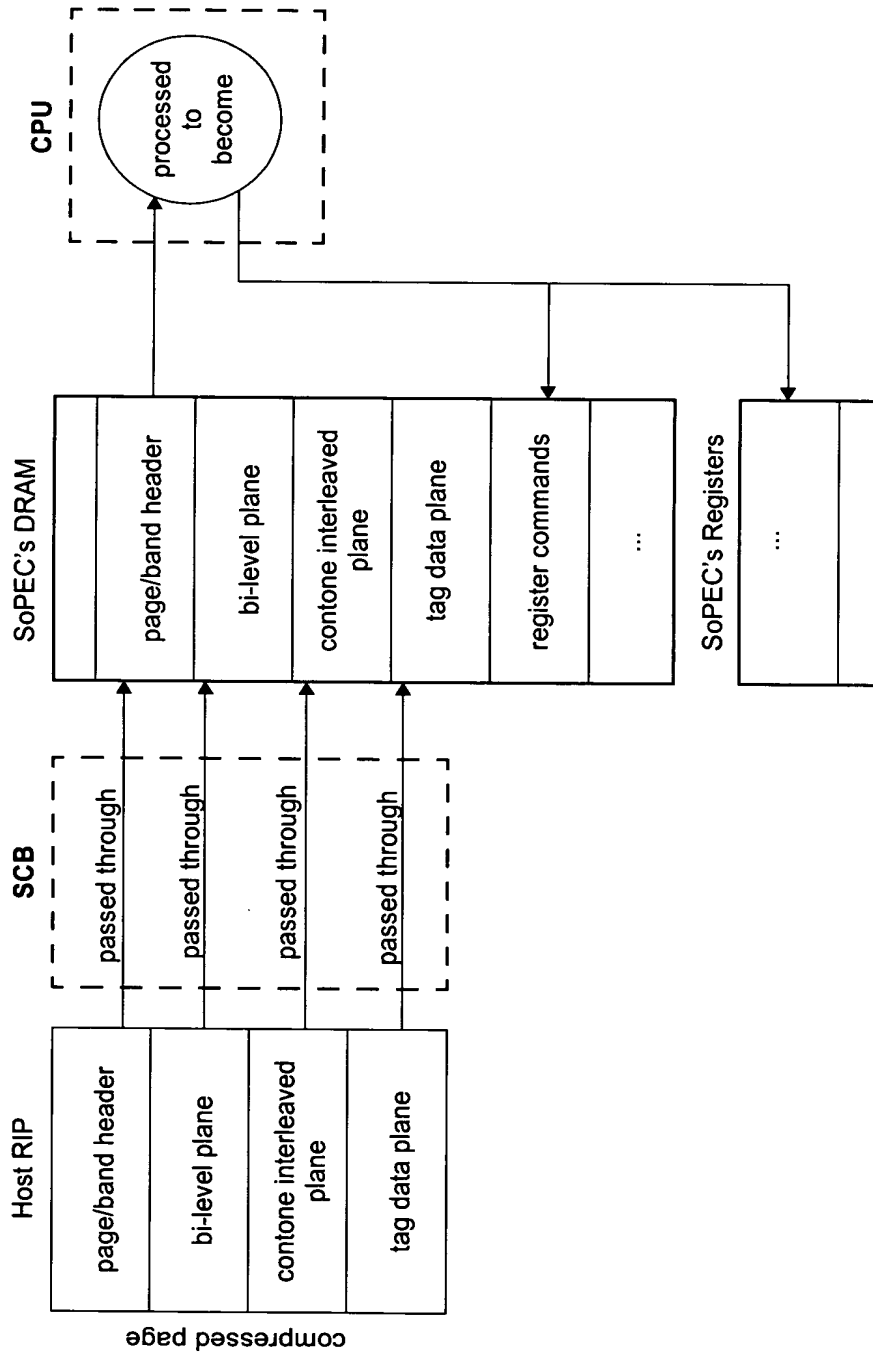


FIG. 11

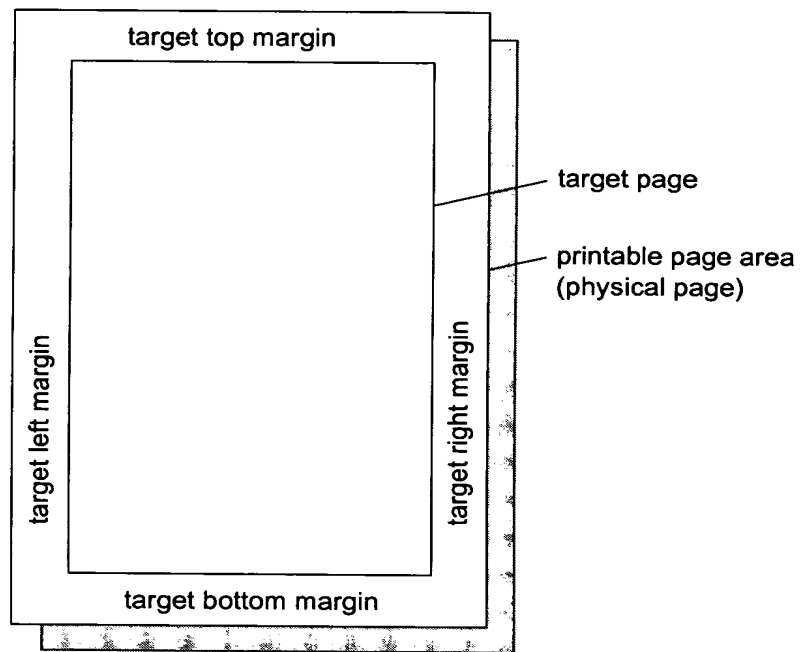


FIG. 12

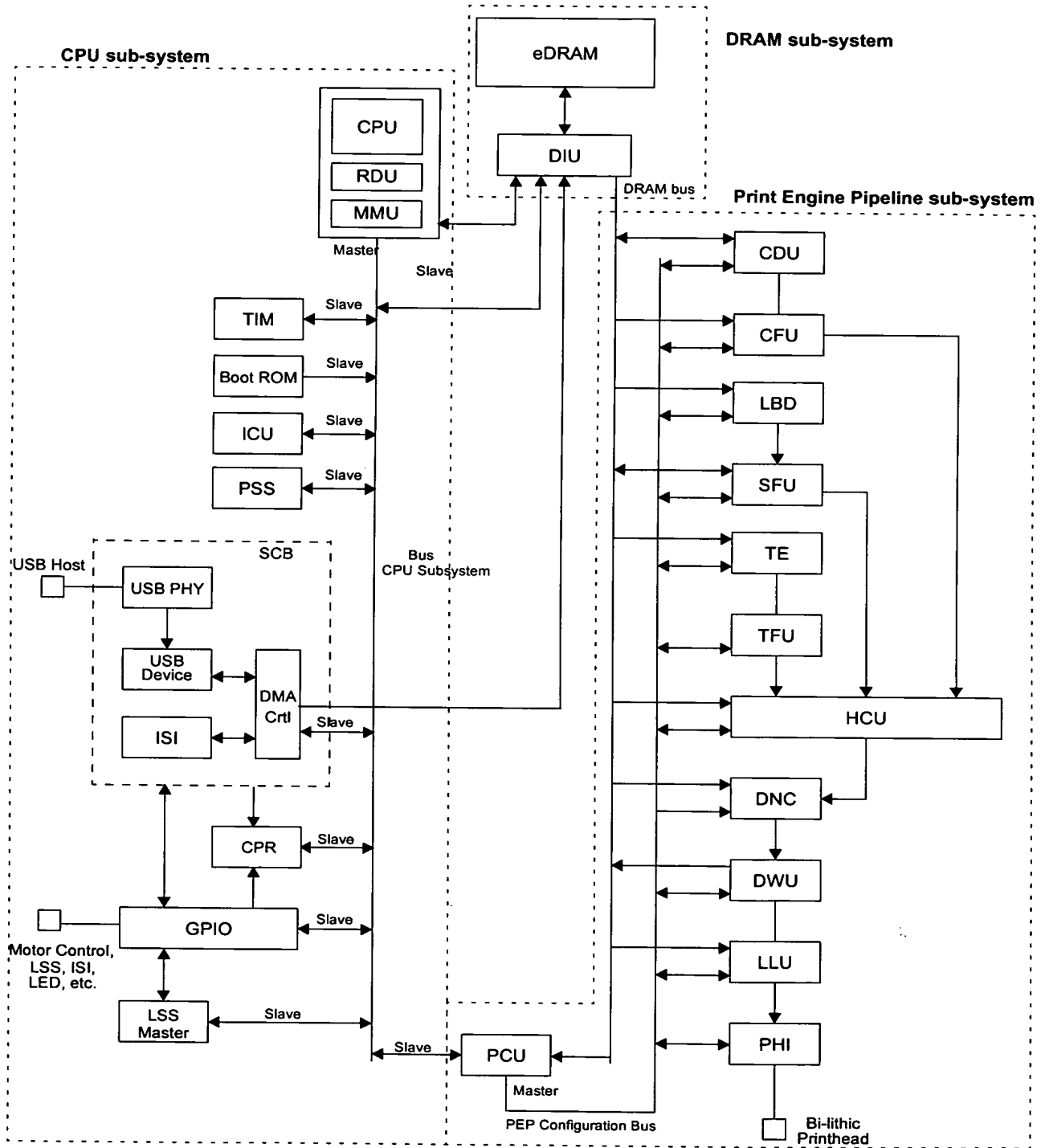


FIG. 13

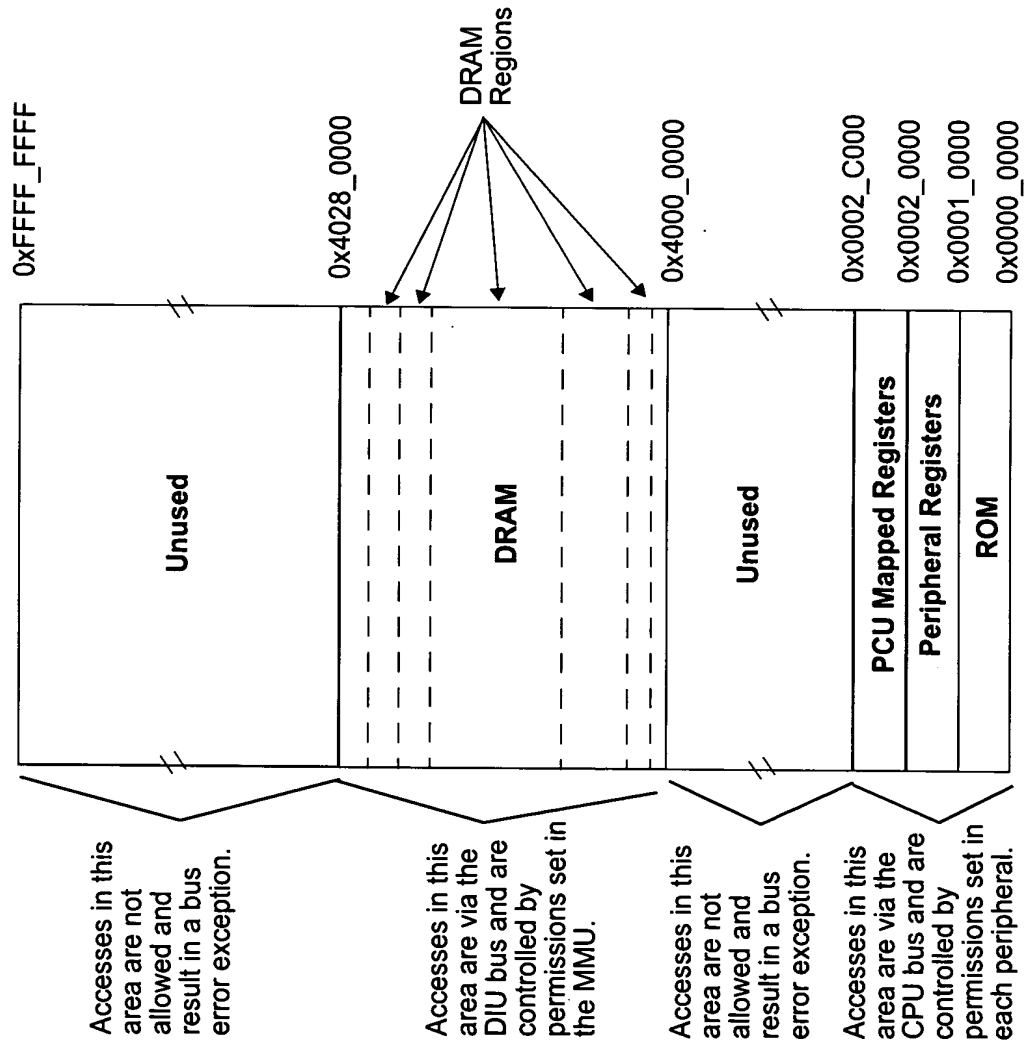


FIG. 14

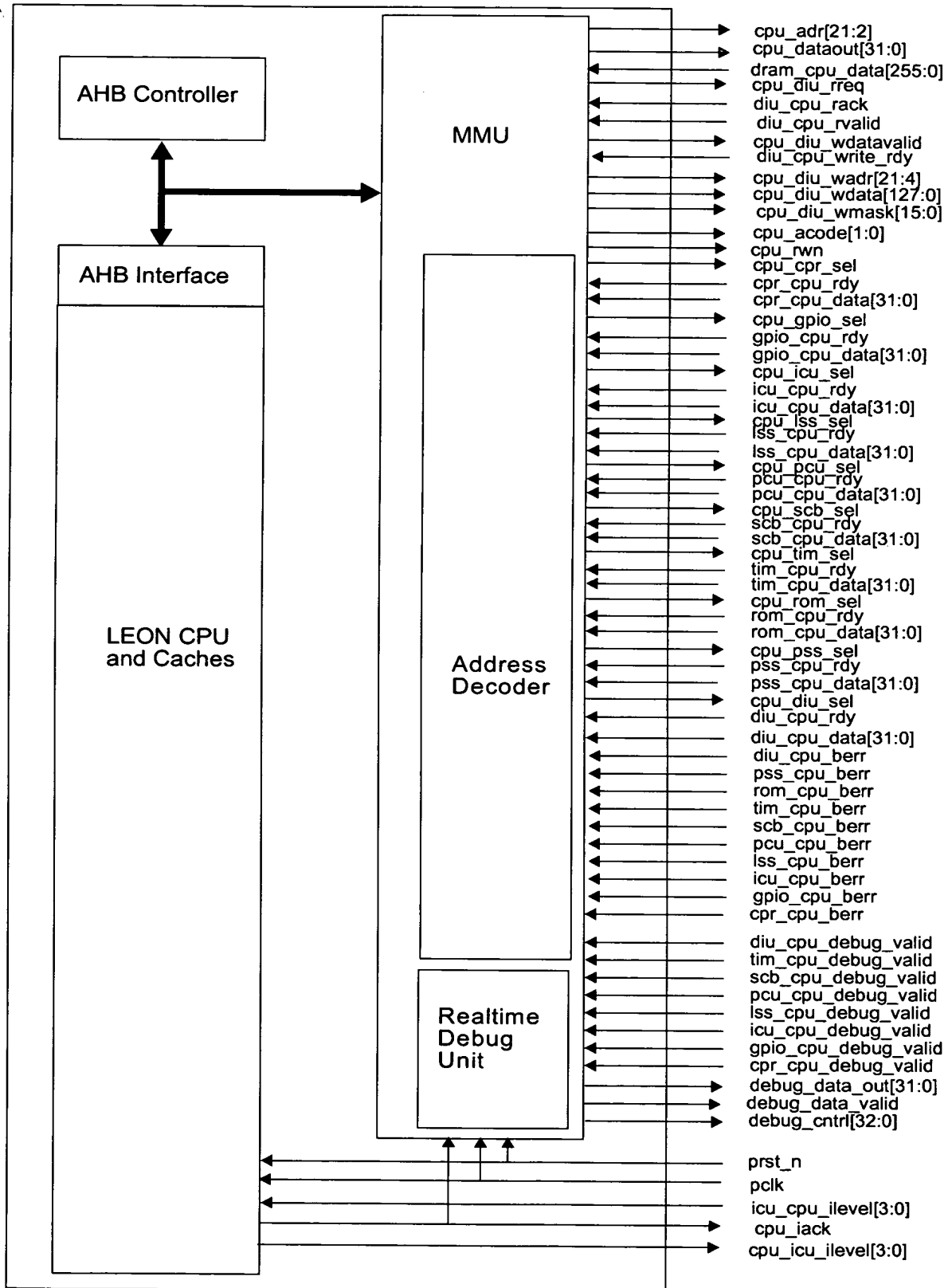


FIG. 15

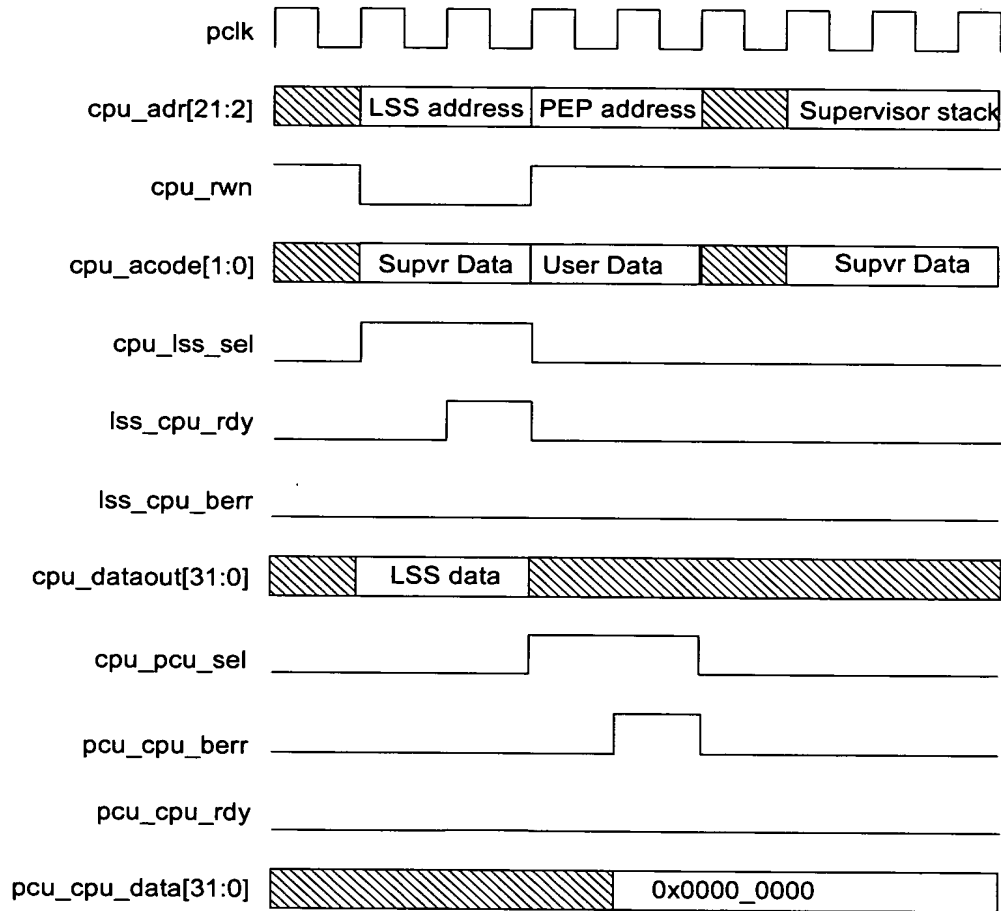


FIG. 16

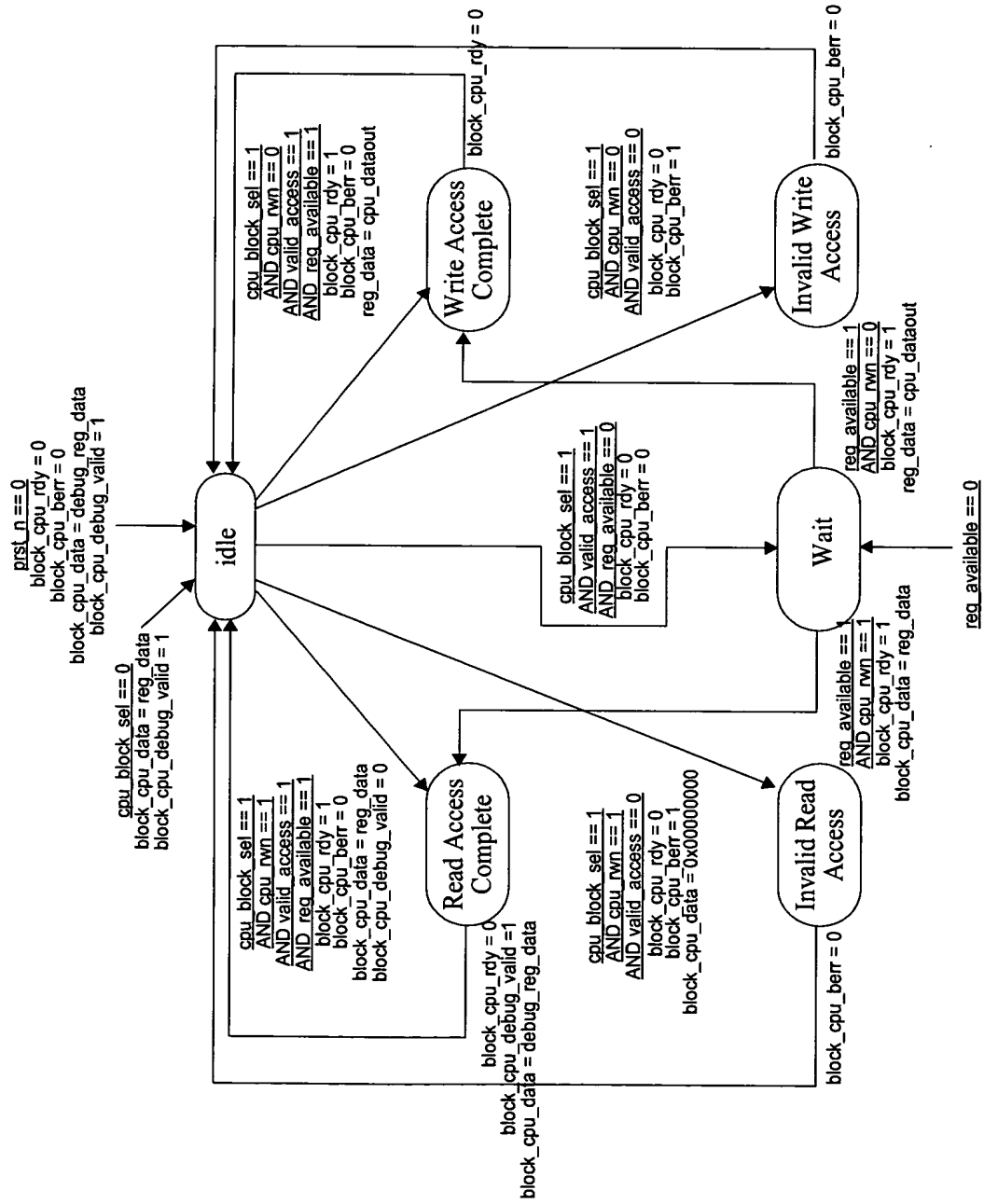


FIG. 17

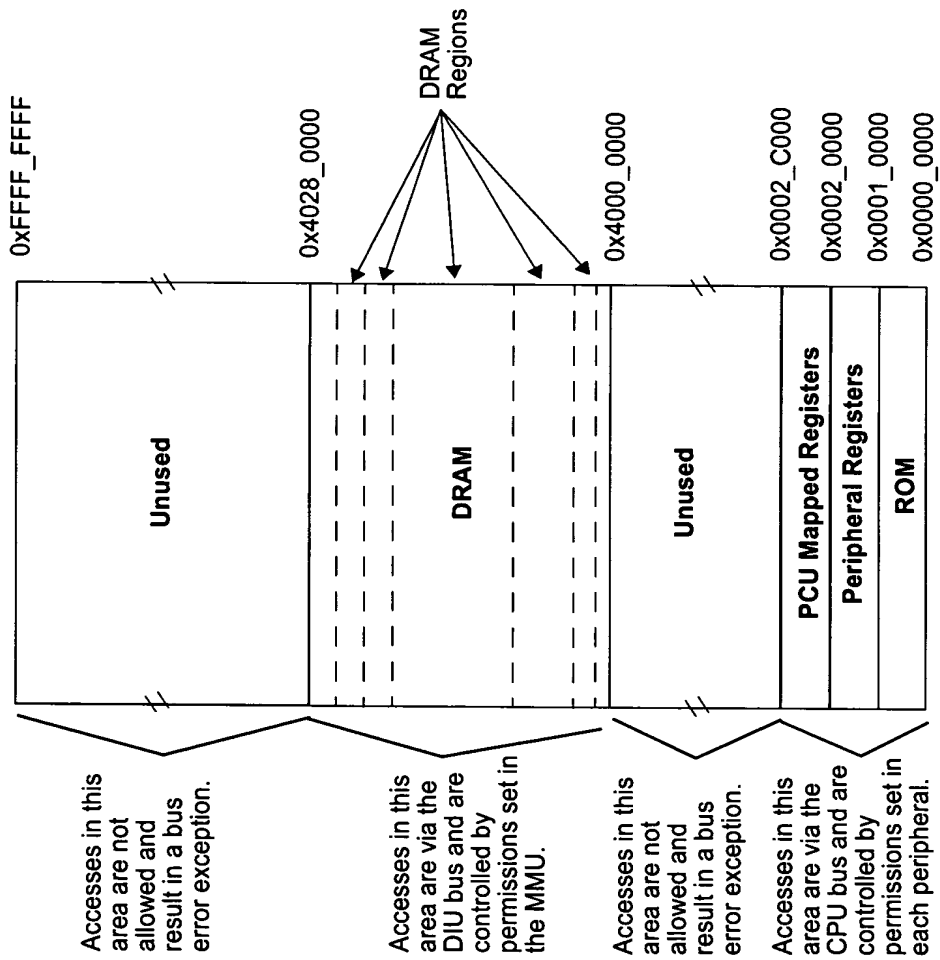


FIG. 18

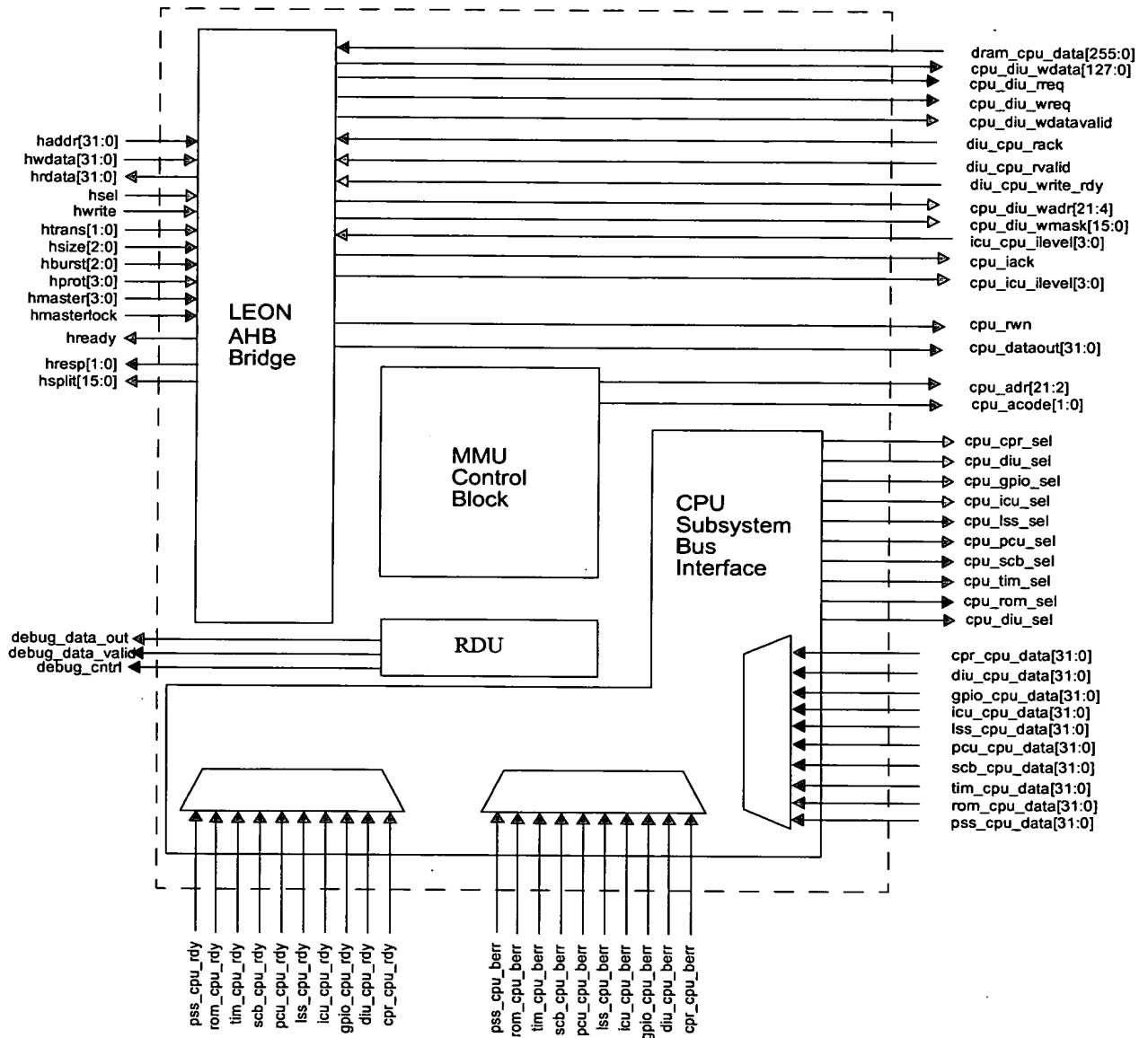


FIG. 19

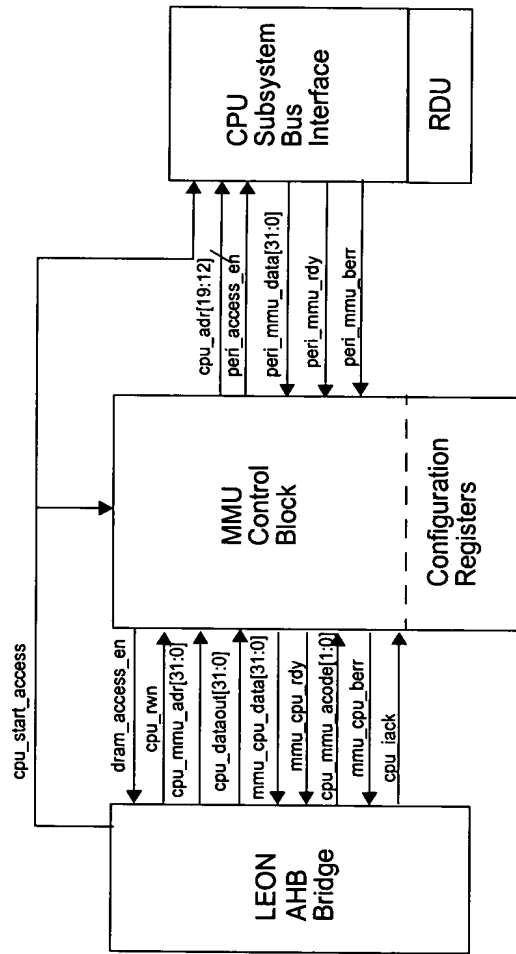


FIG. 20

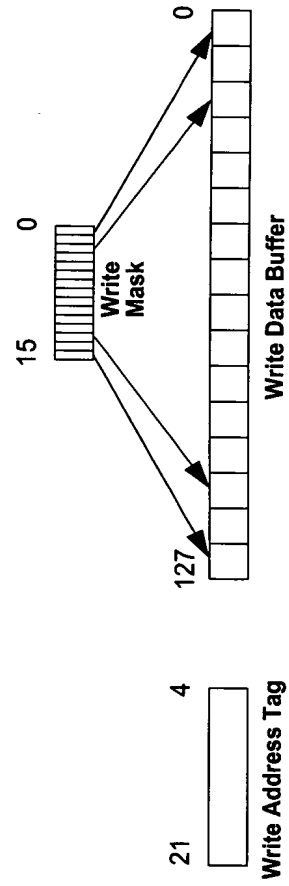


FIG. 21

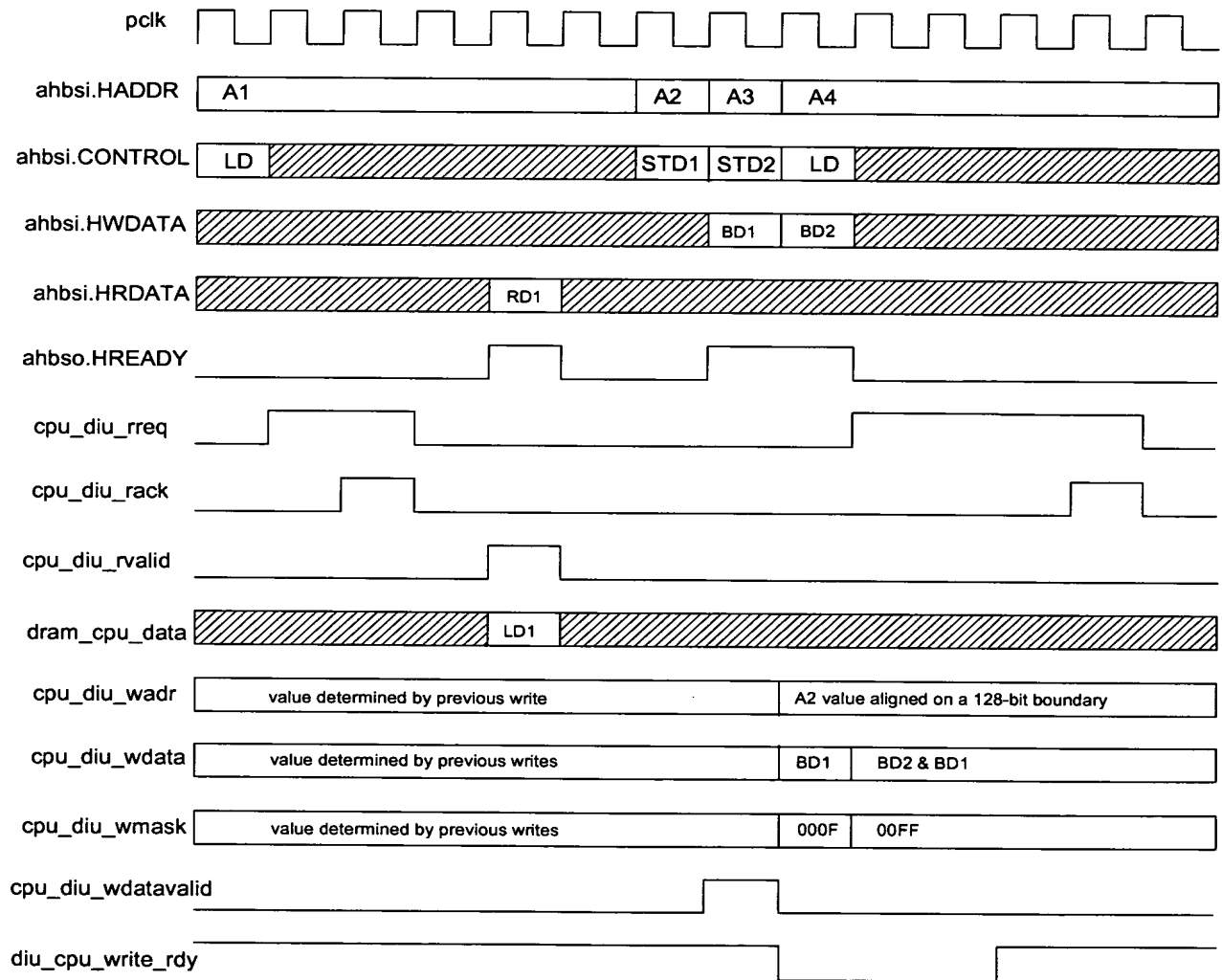


FIG. 22

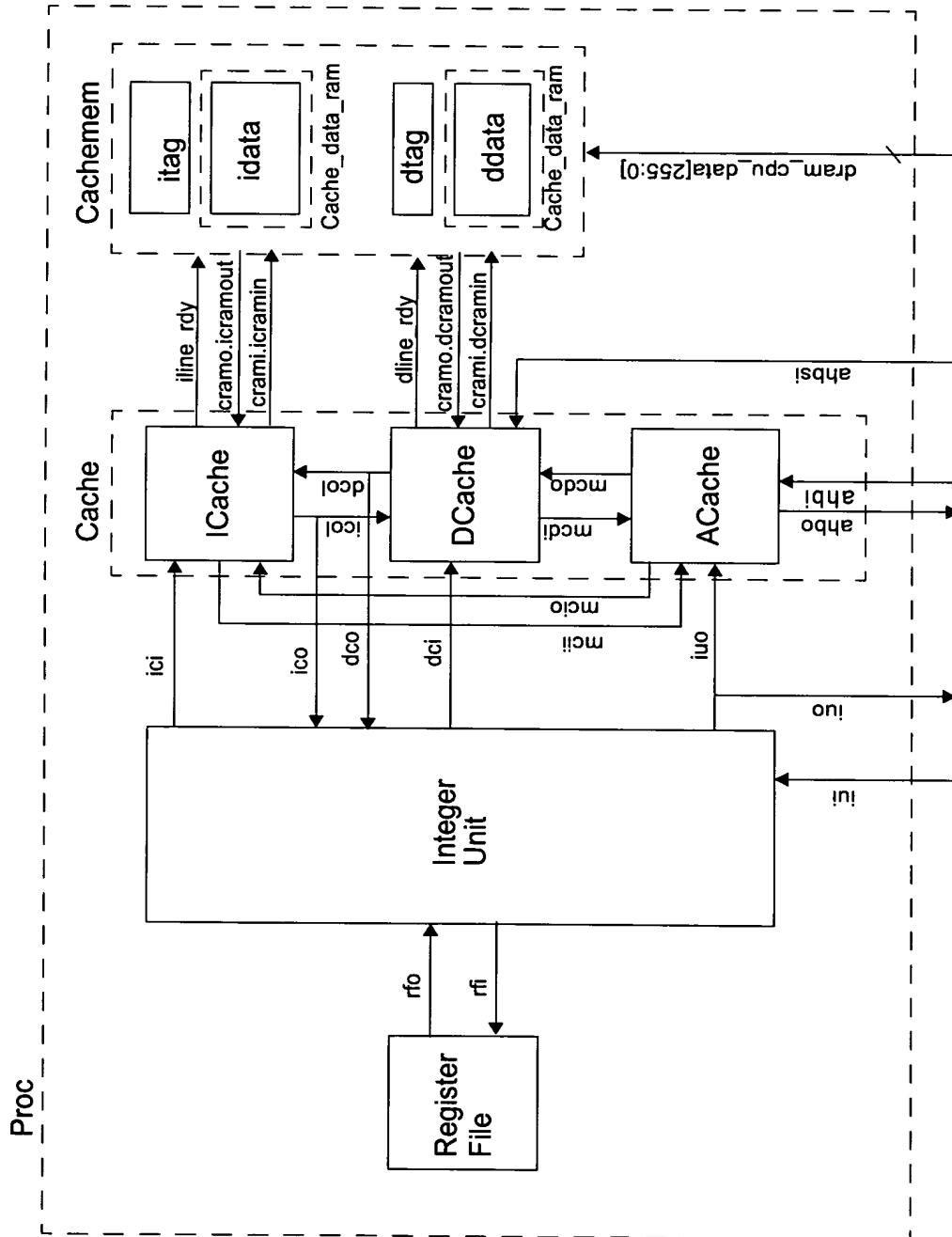


FIG. 23

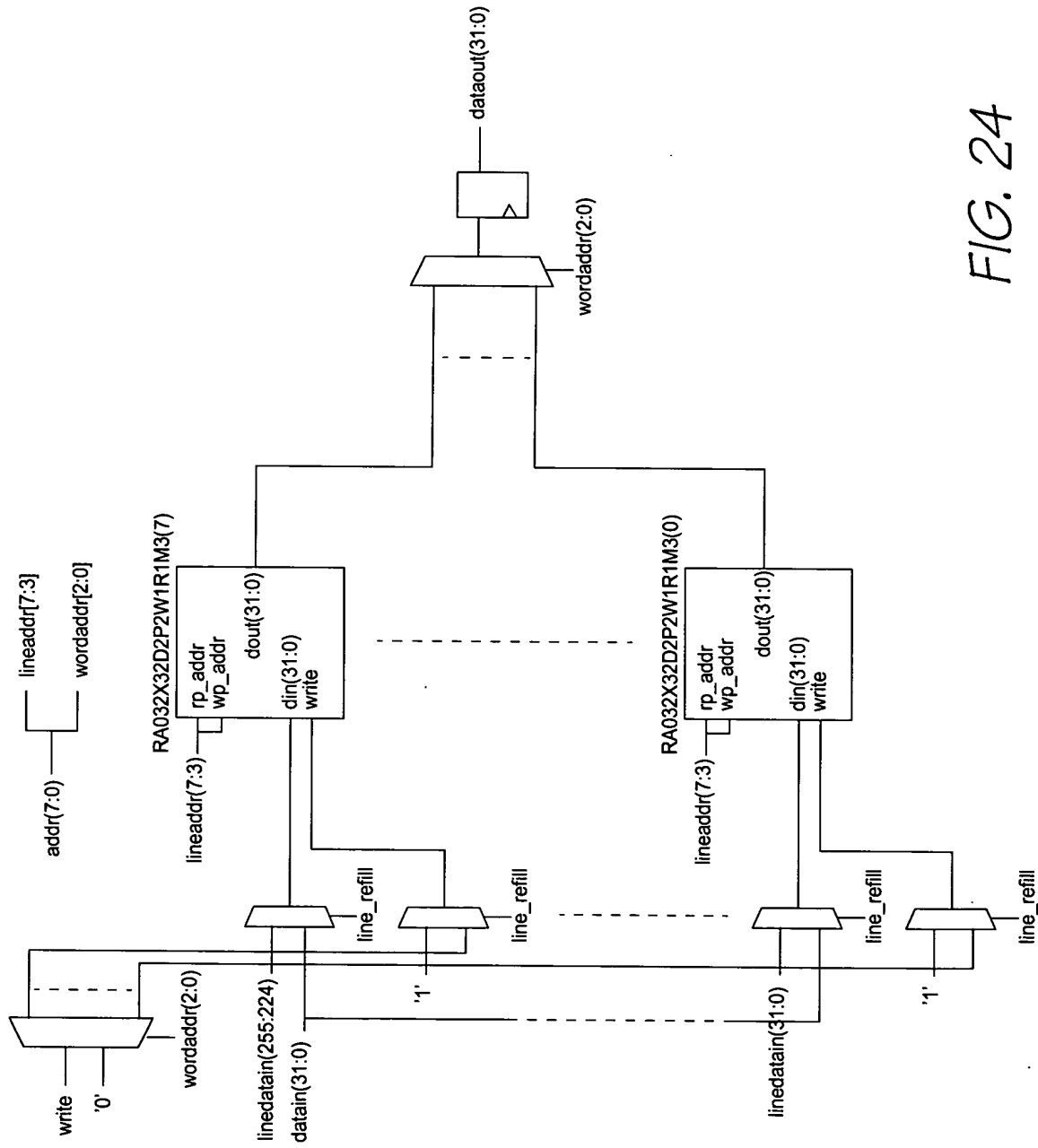


FIG. 24

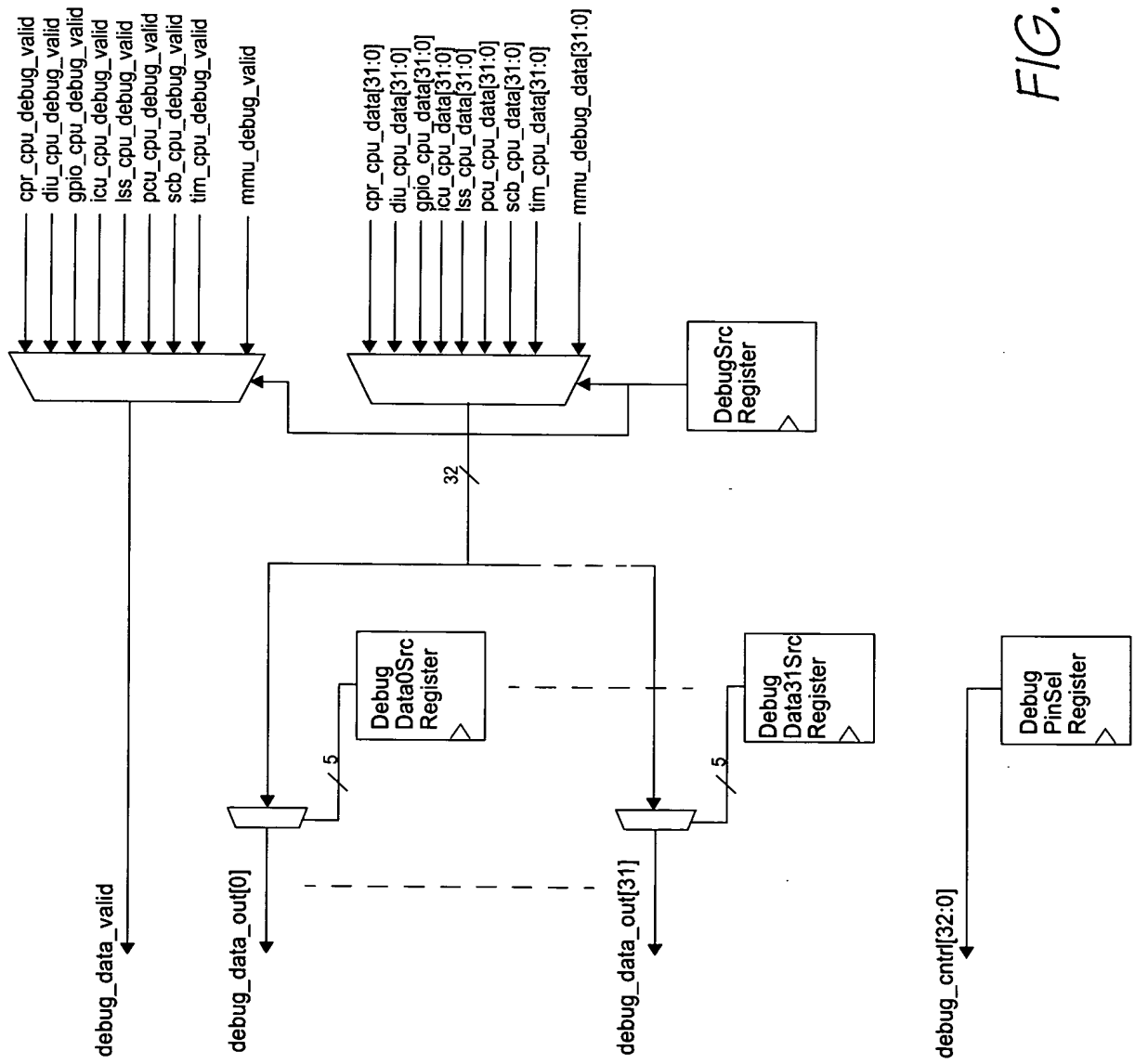


FIG. 25

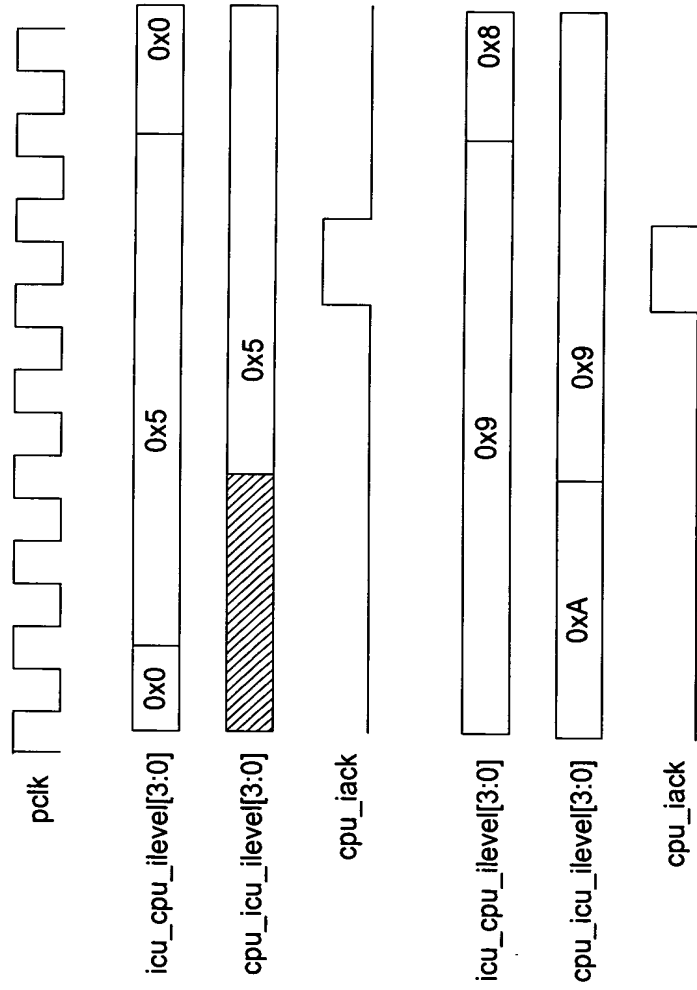


FIG. 26

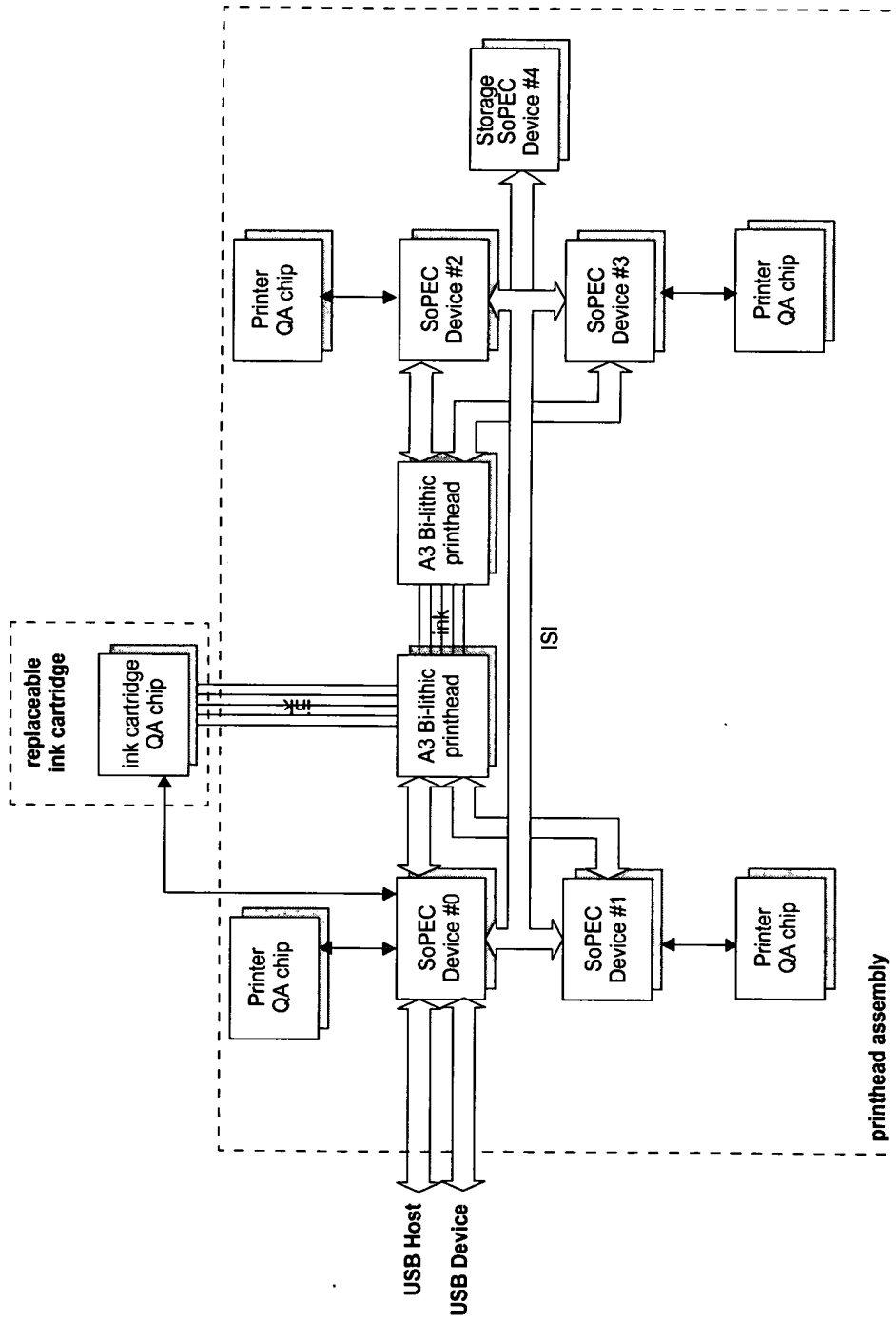


FIG. 27

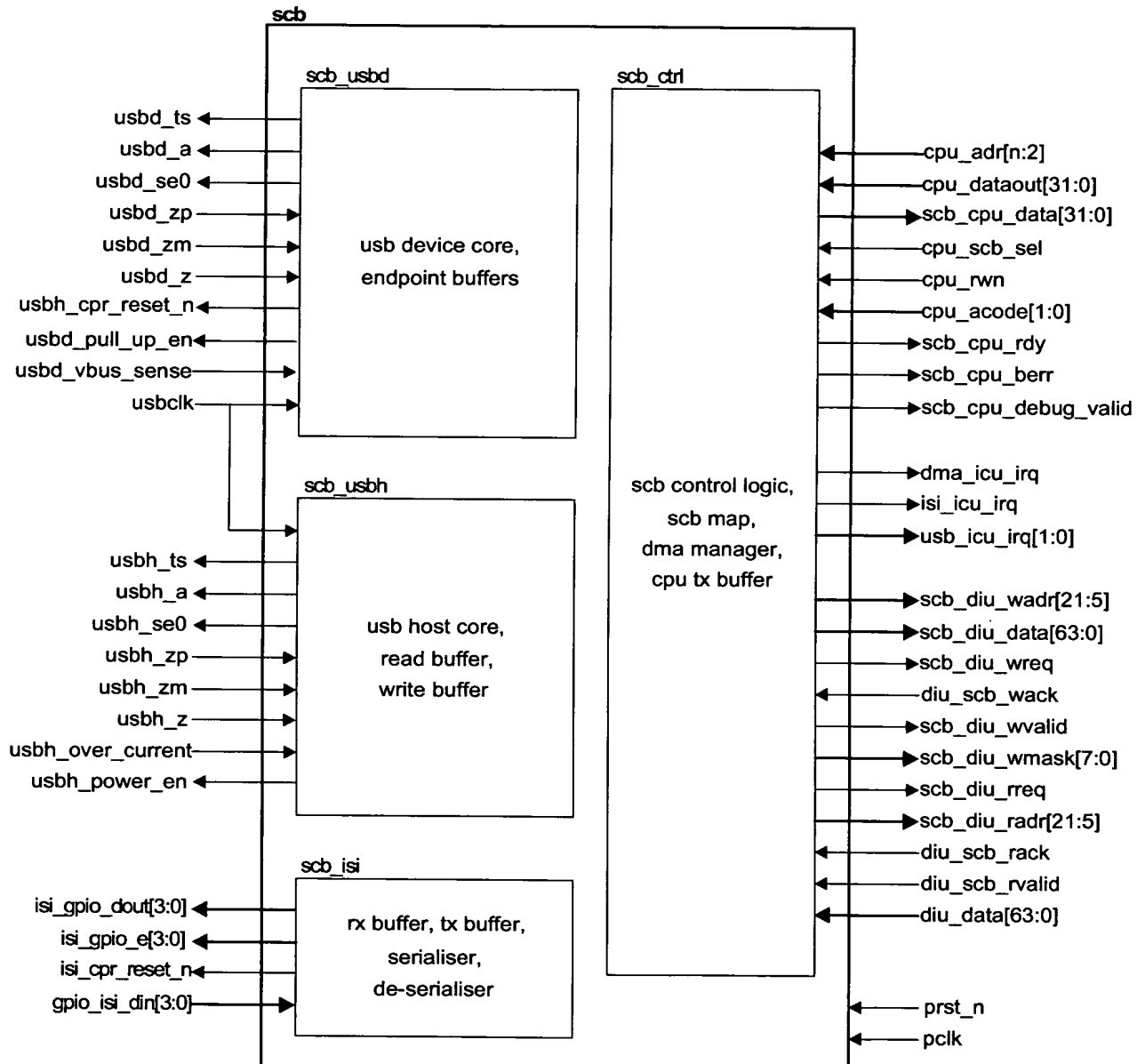


FIG. 28

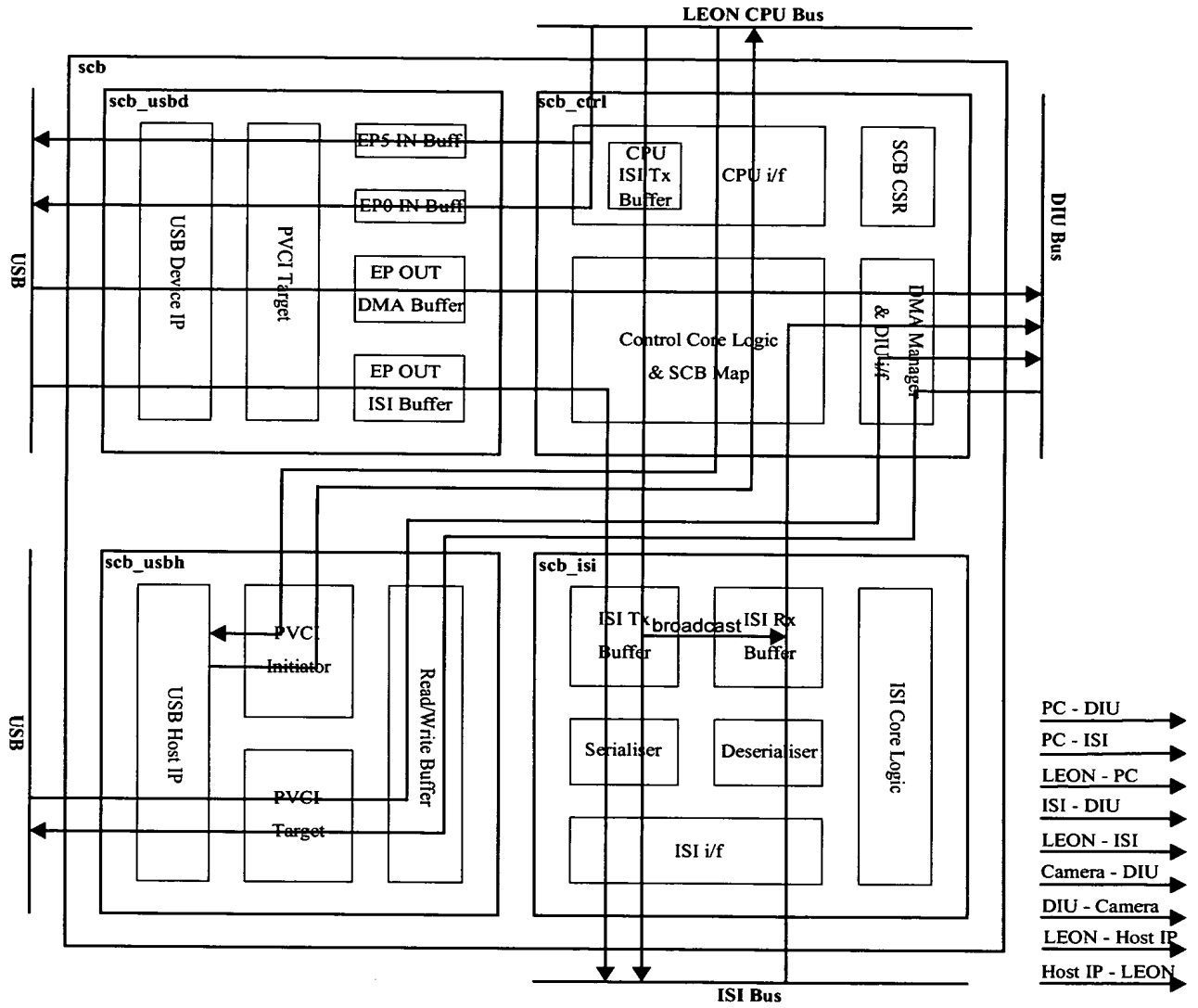


FIG. 29

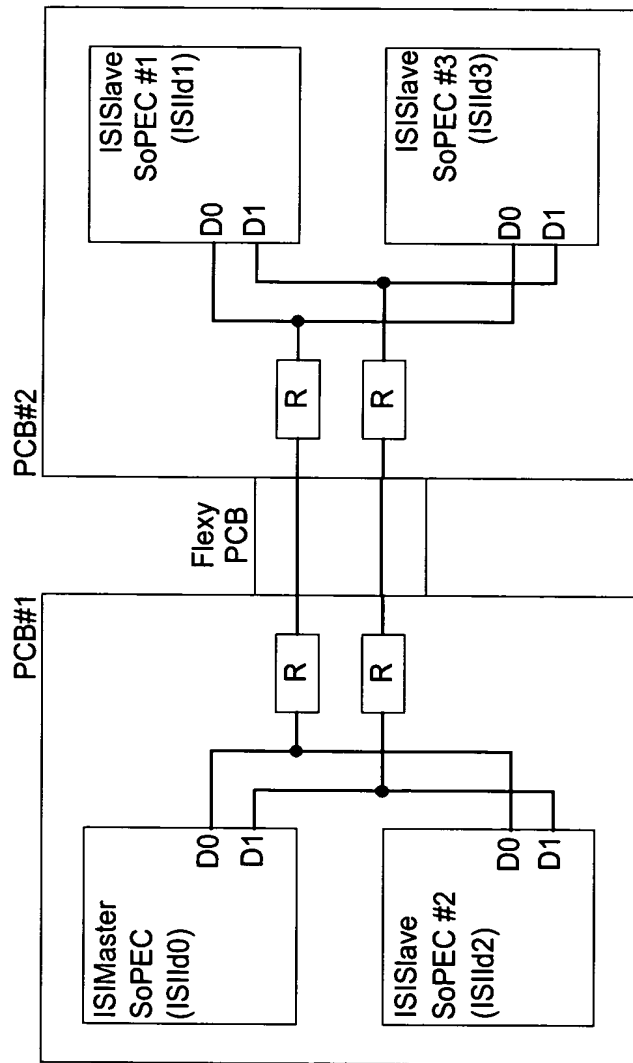


FIG. 30

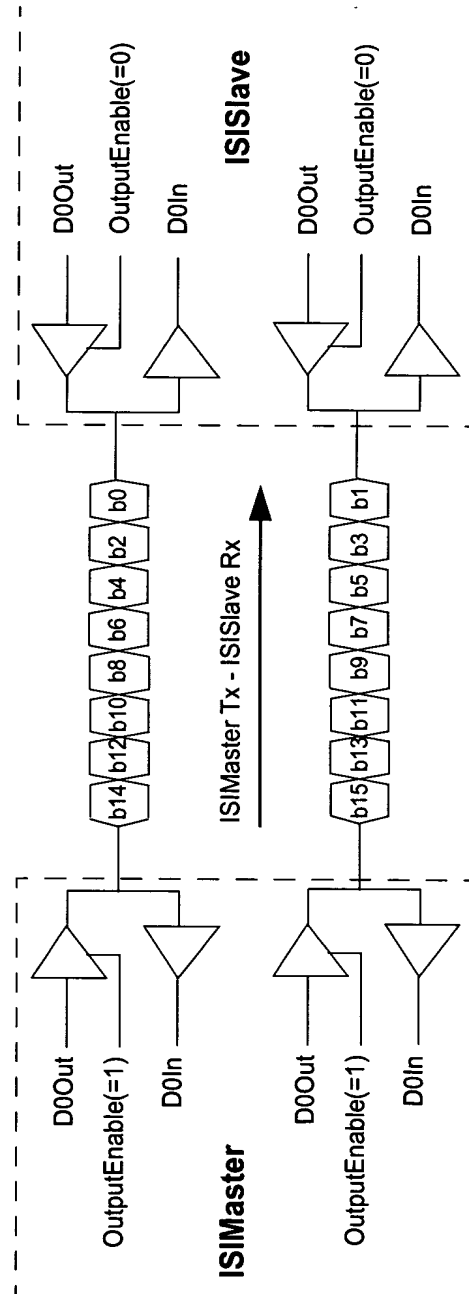
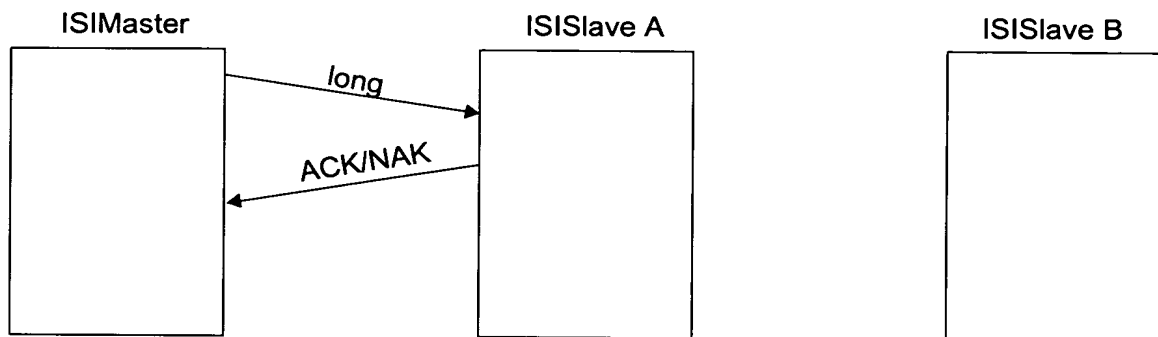
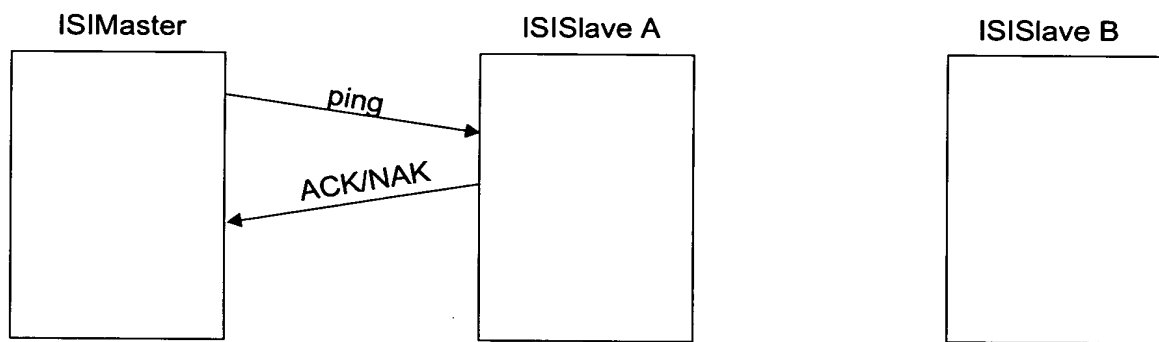


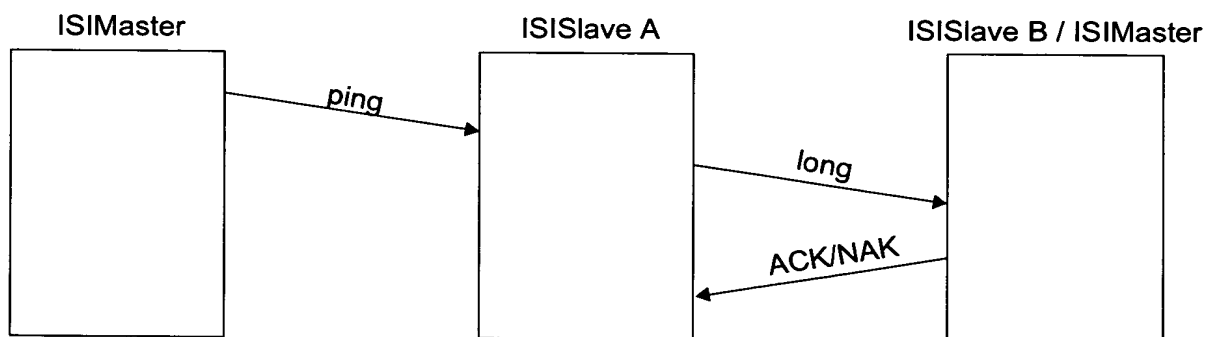
FIG. 31



Transaction 1: Long packet to an addressed ISISlave



Transaction 2: Ping packet to an addressed ISISlave. ISISlave has nothing to send



Transaction 3: Ping packet to an addressed ISISlave. ISISlaveA responds with a long packet to ISISlaveB (or the ISIMaster) and ISISlaveB (or the ISIMaster) responds with an ACK or NAK.

FIG. 32

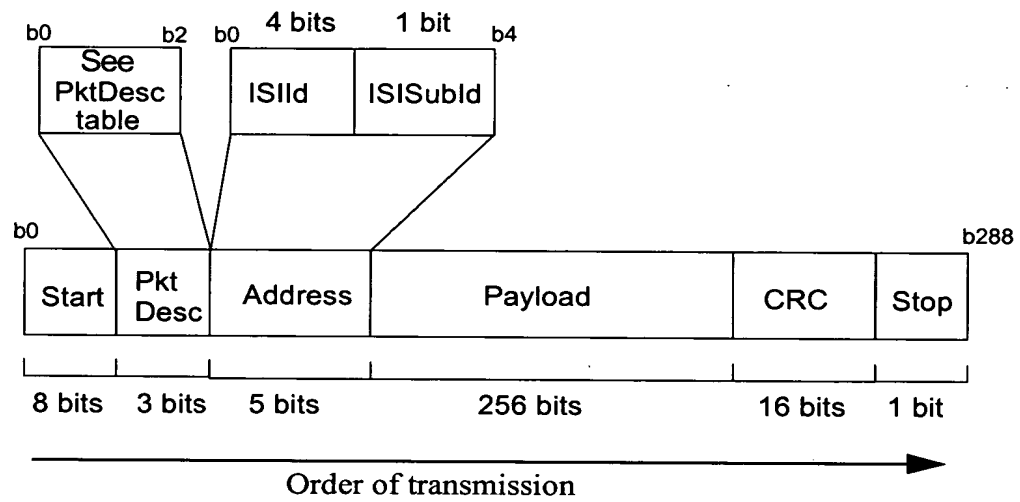


FIG. 33

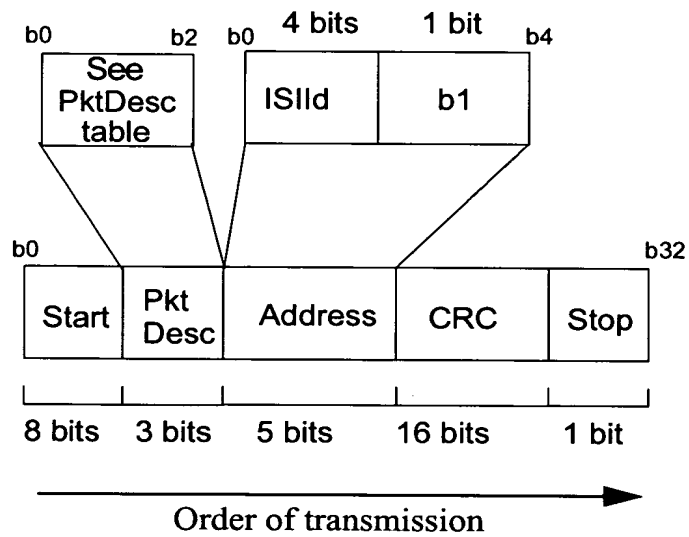


FIG. 34

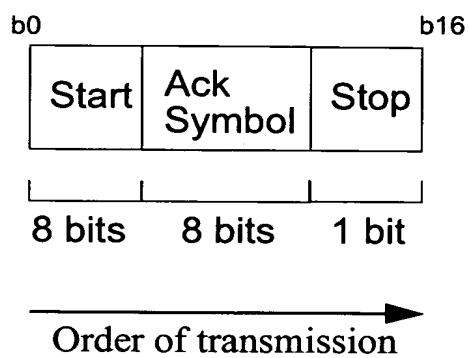


FIG. 35

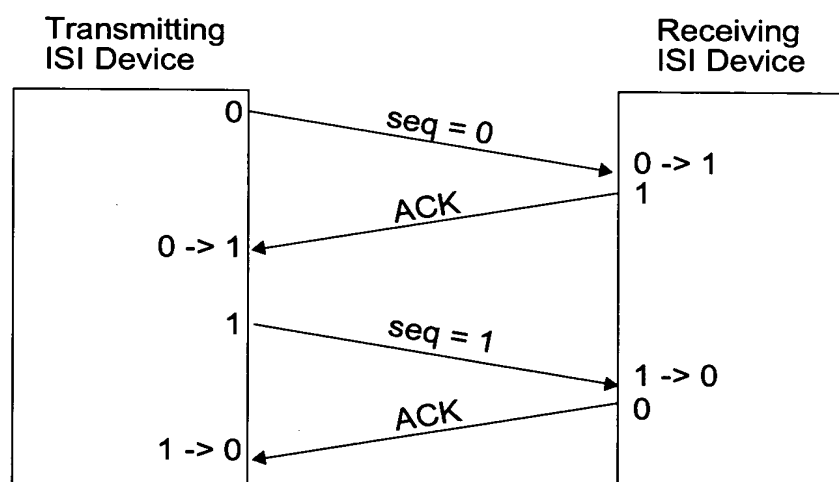


FIG. 36

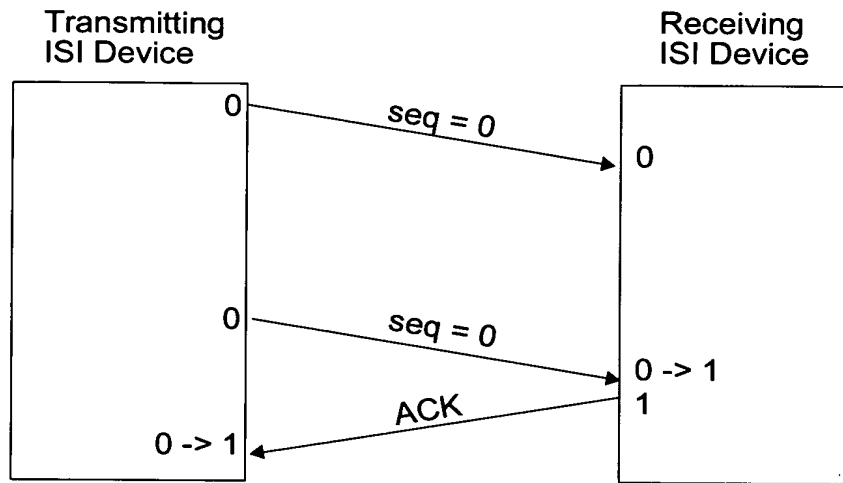


FIG. 37

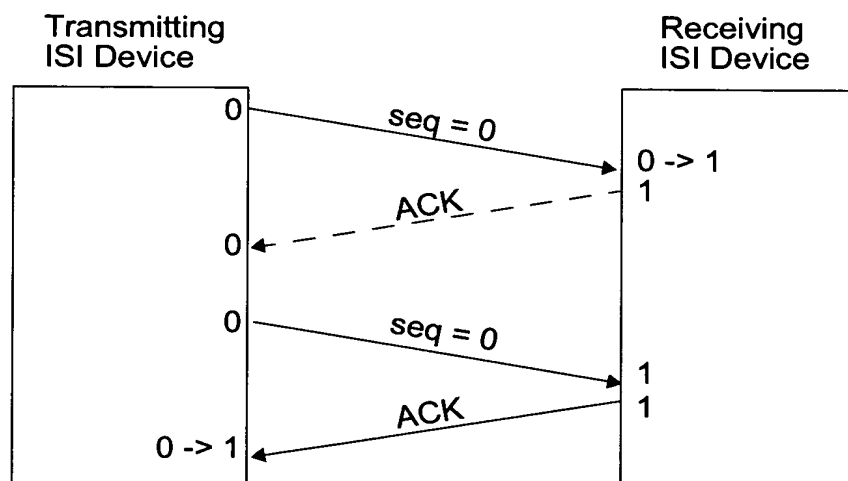


FIG. 38

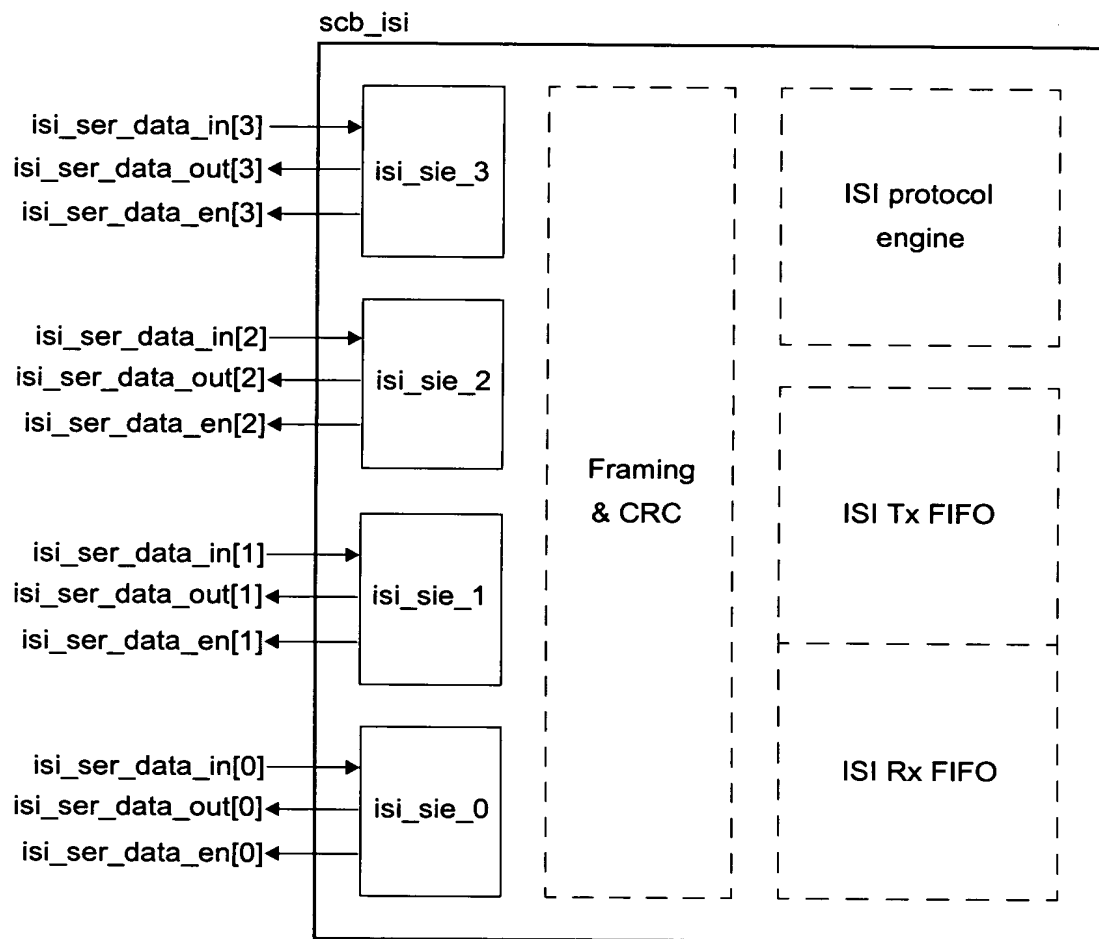


FIG. 39

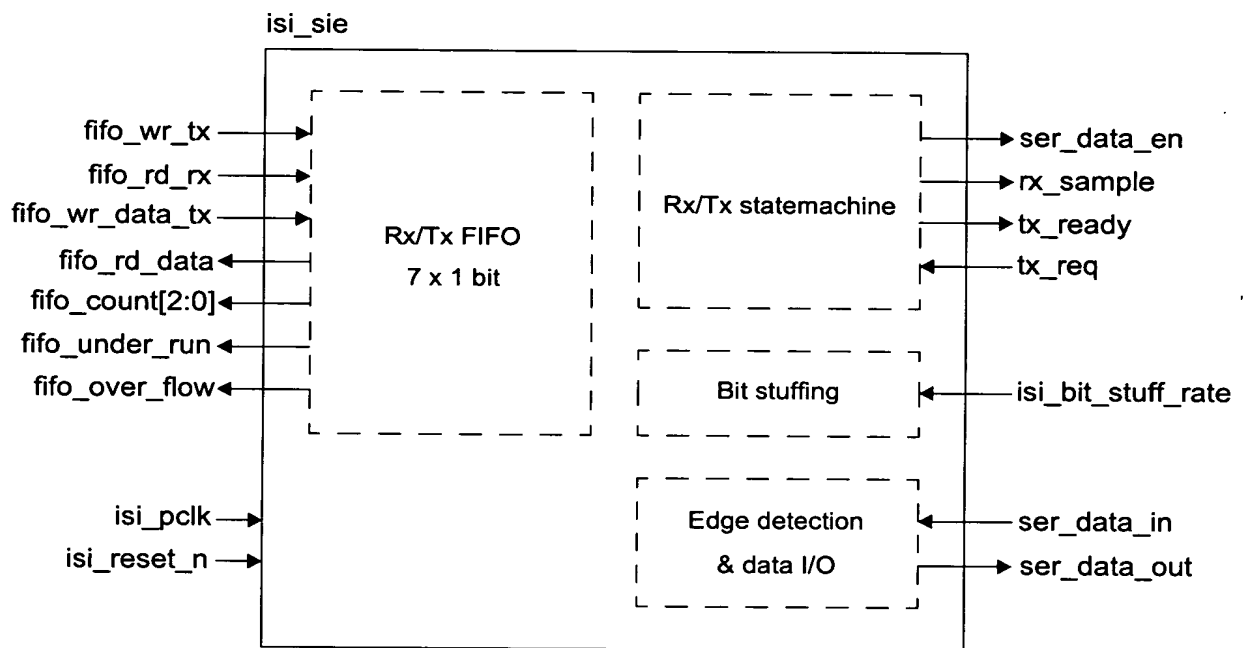


FIG. 40

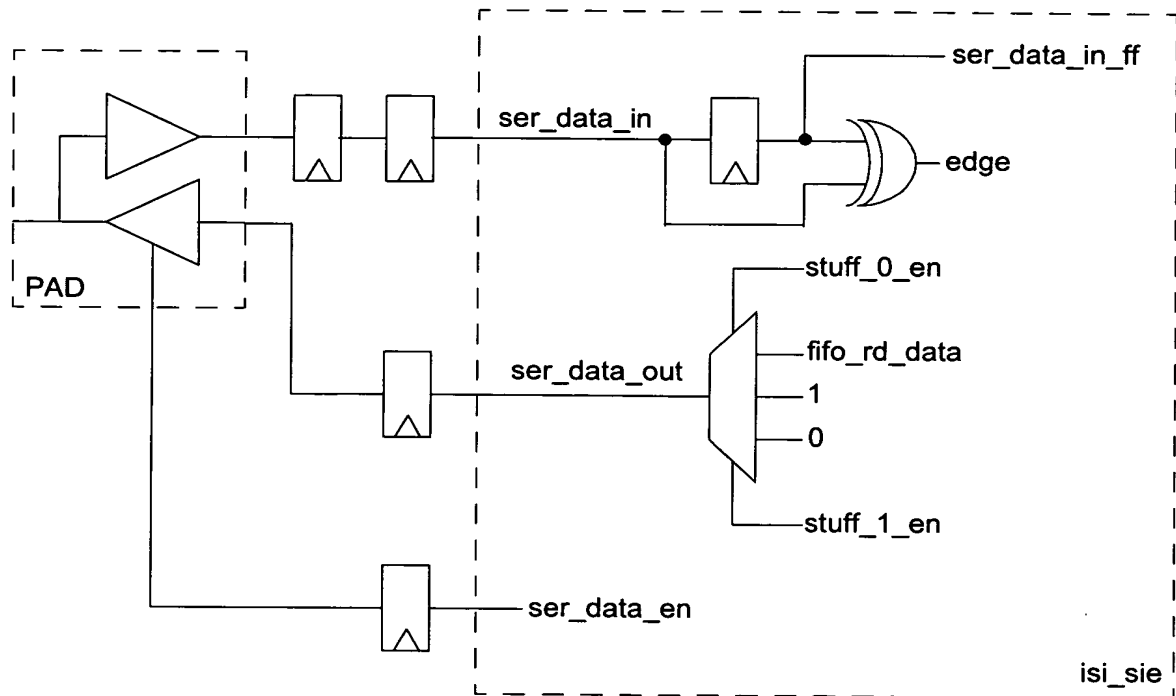


FIG. 41

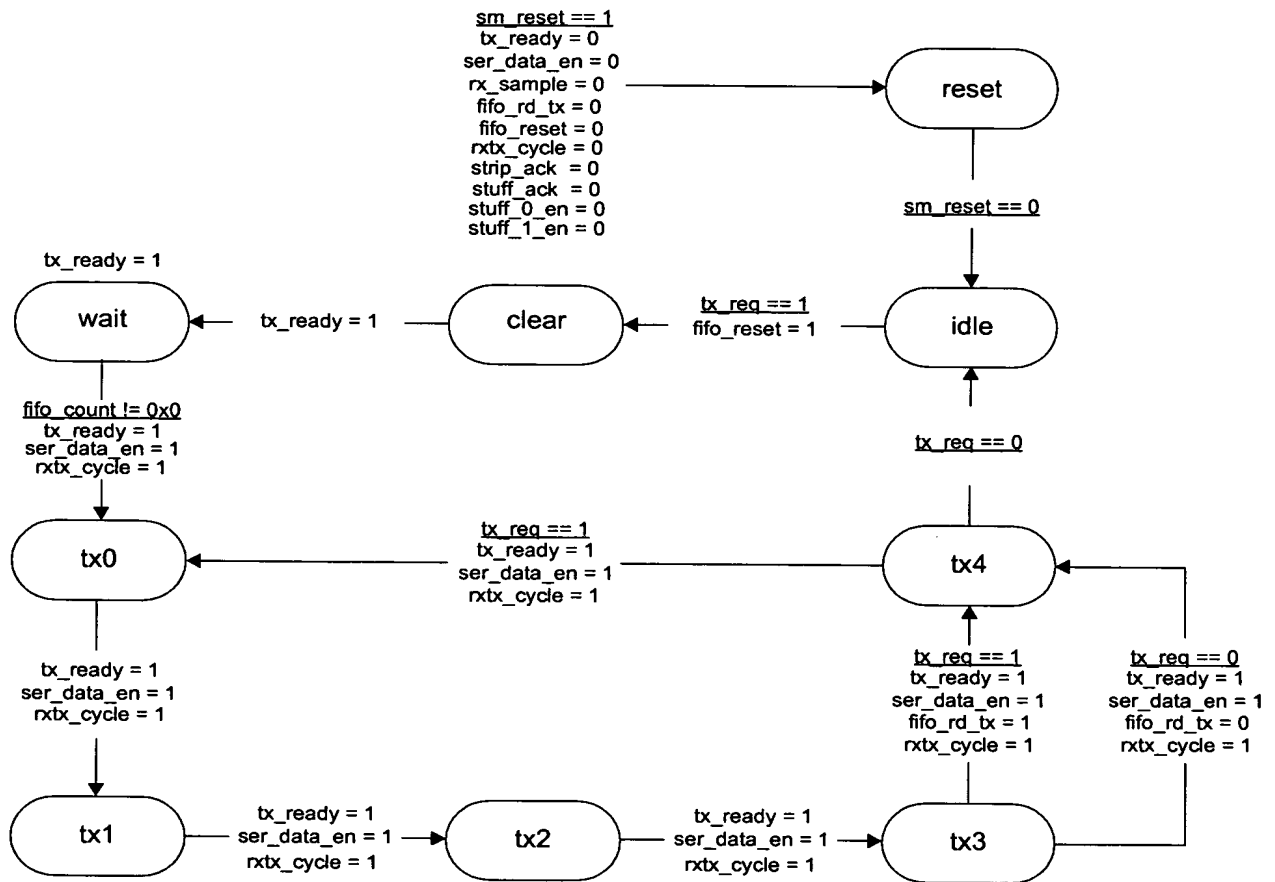


FIG. 42

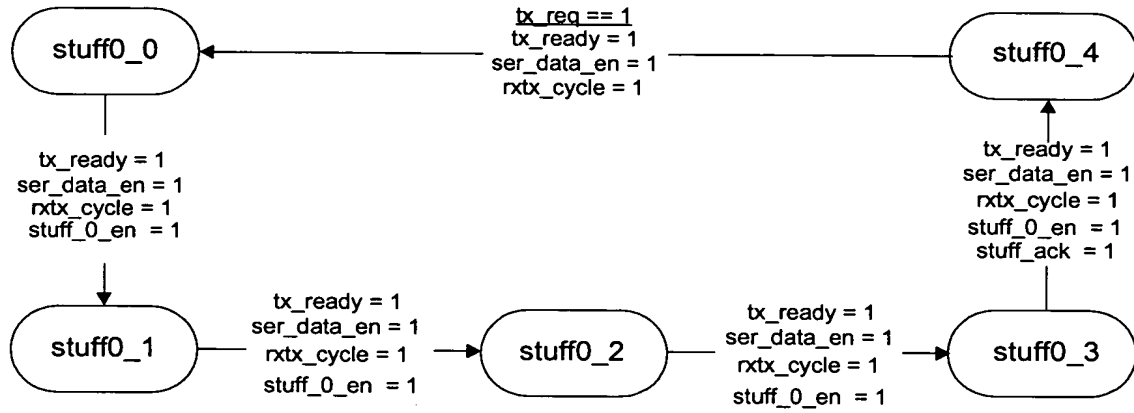


FIG. 43

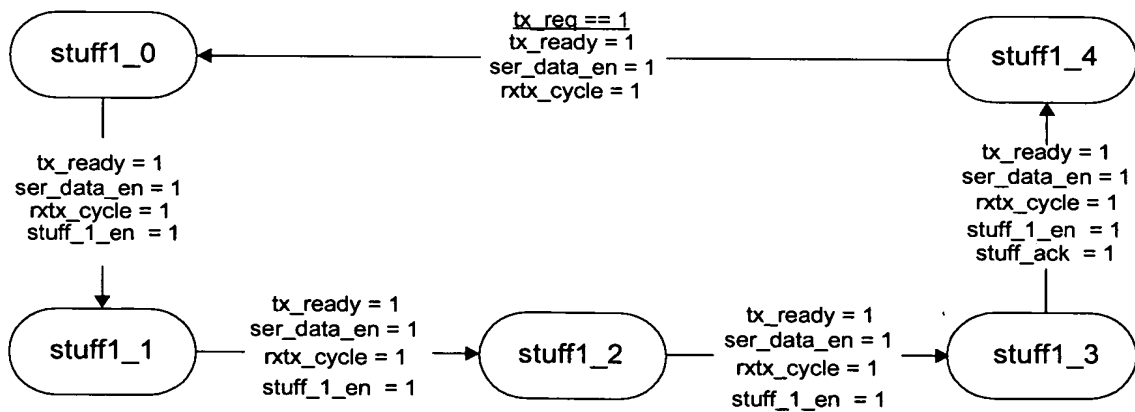


FIG. 44

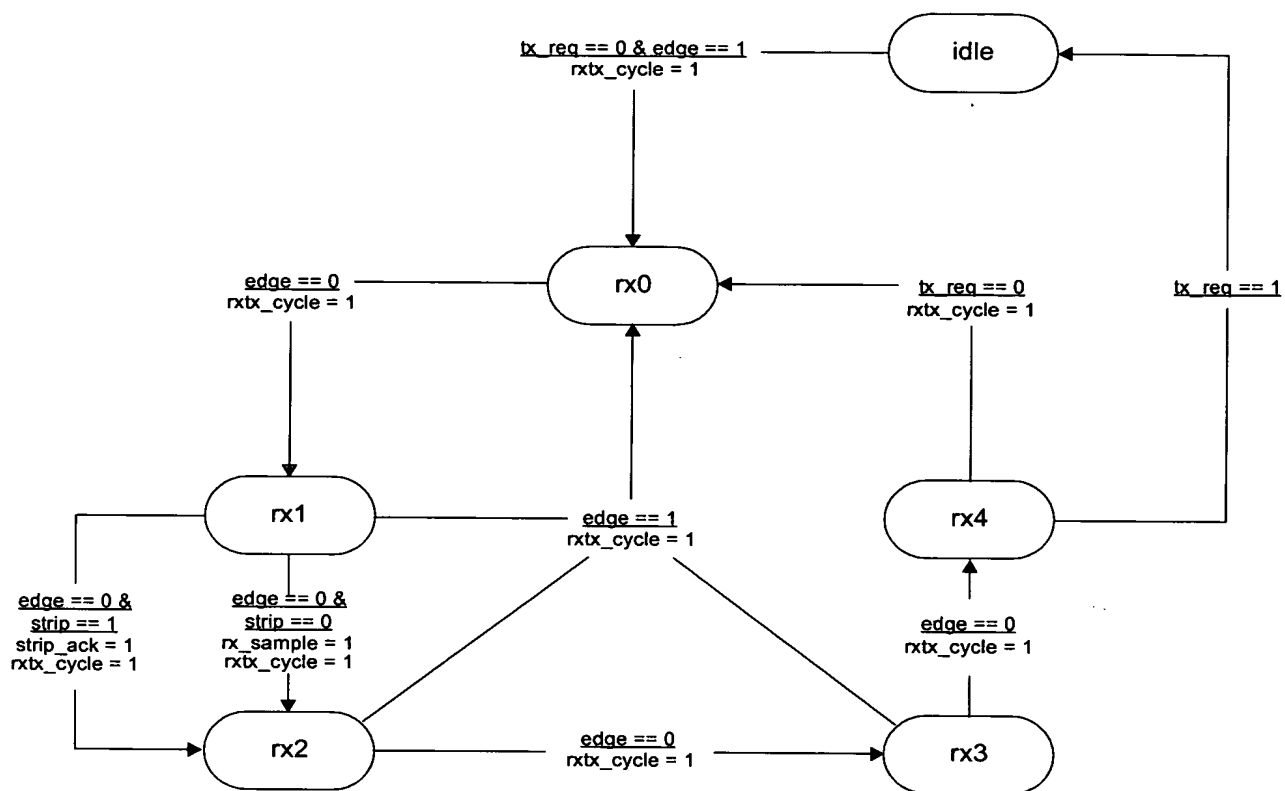


FIG. 45

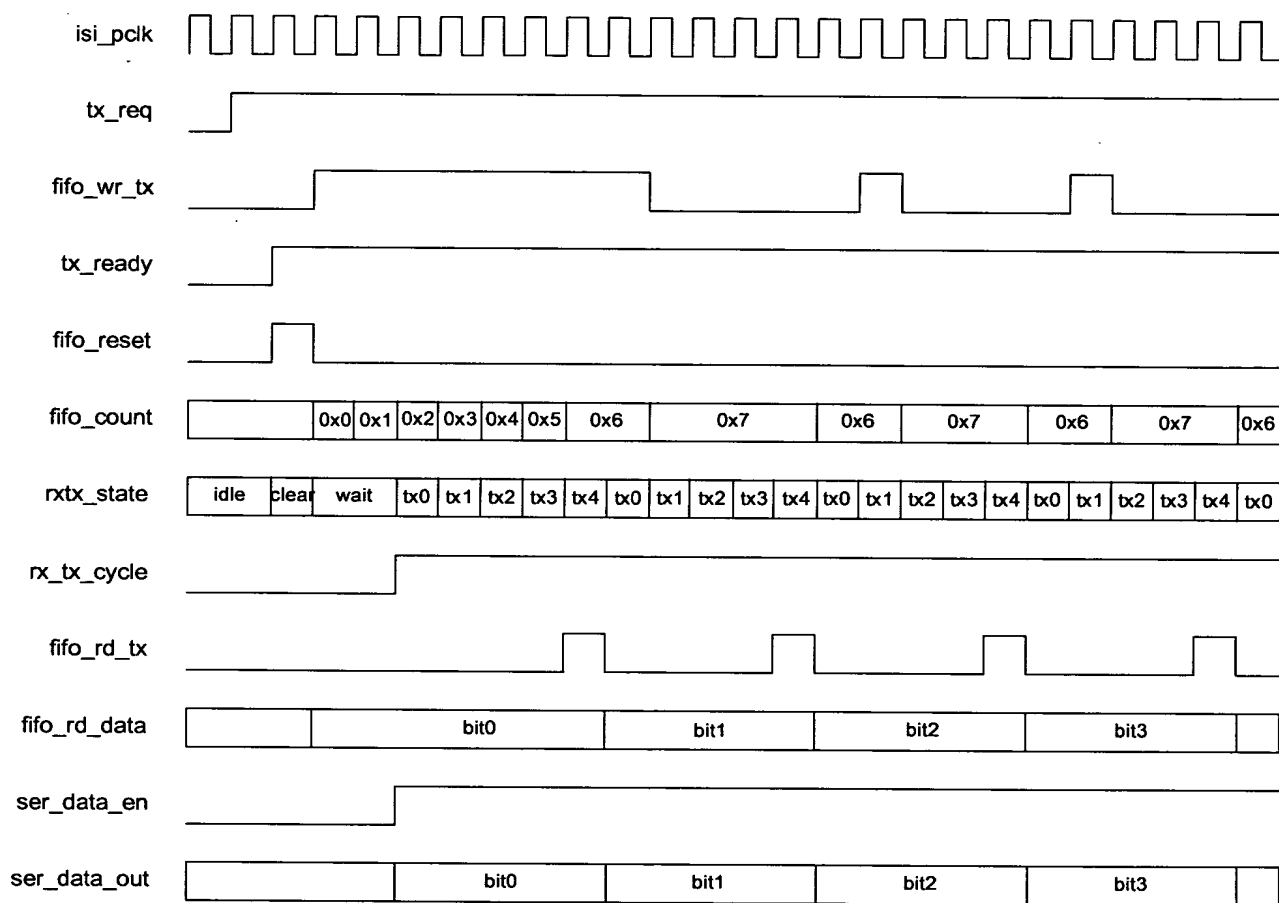


FIG. 46

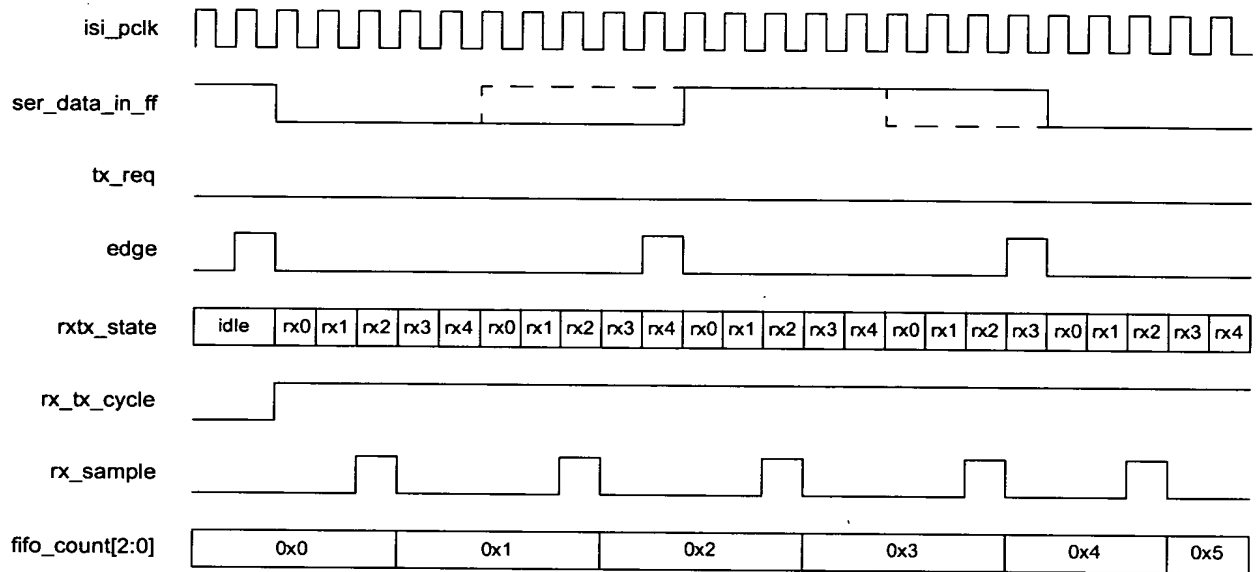


FIG. 47

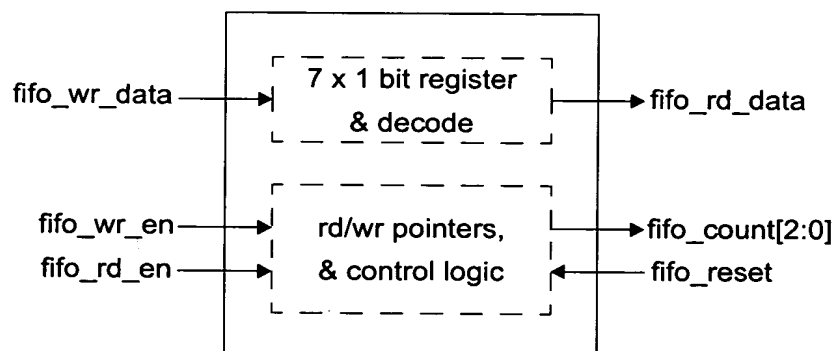


FIG. 48

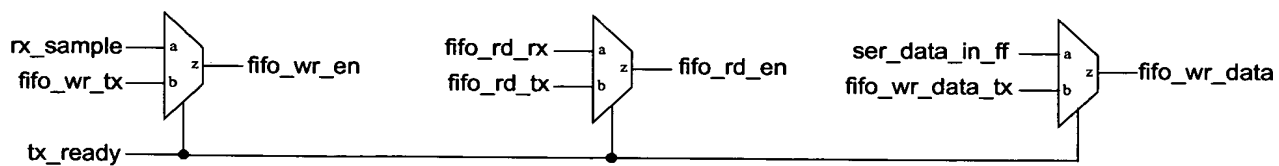


FIG. 49

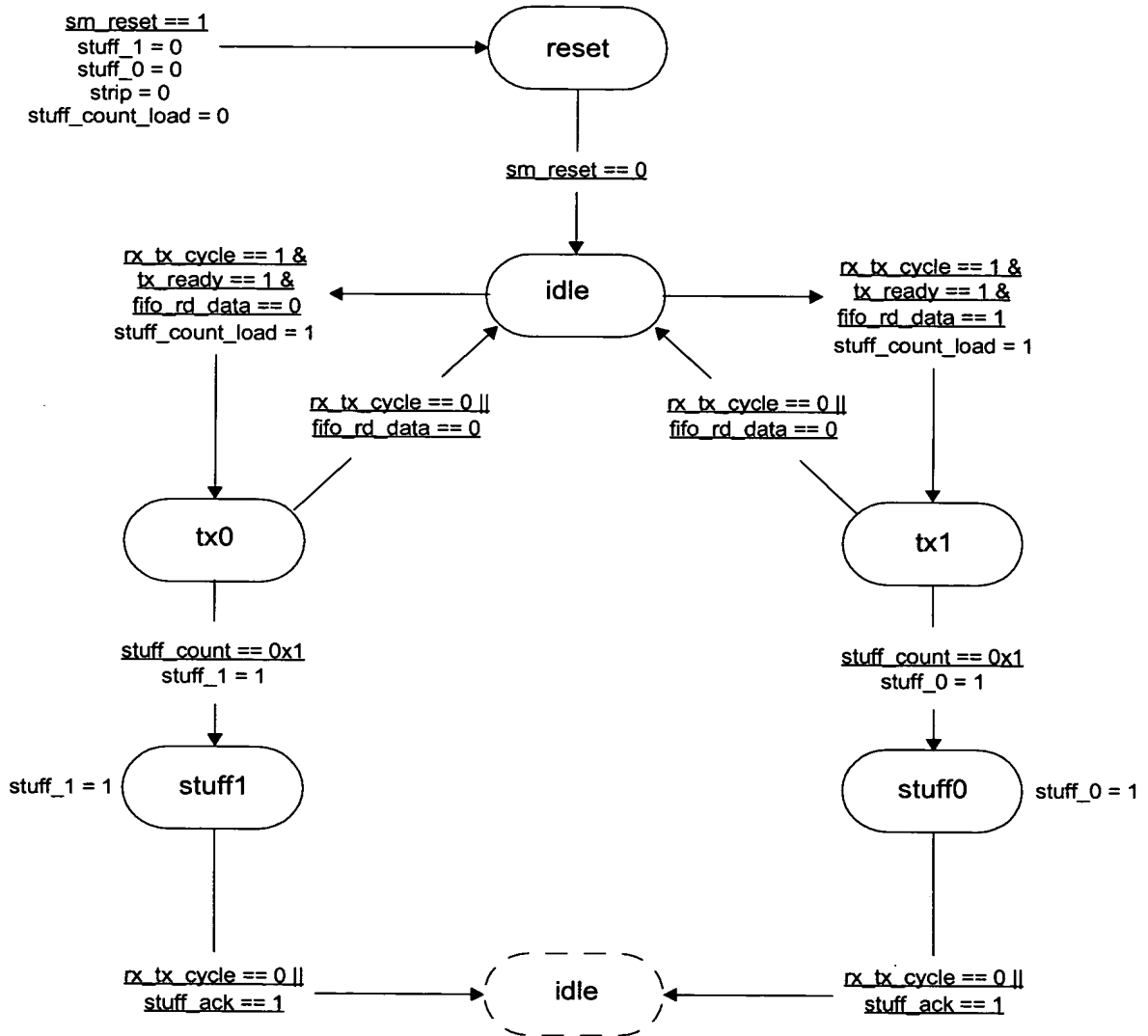


FIG. 50

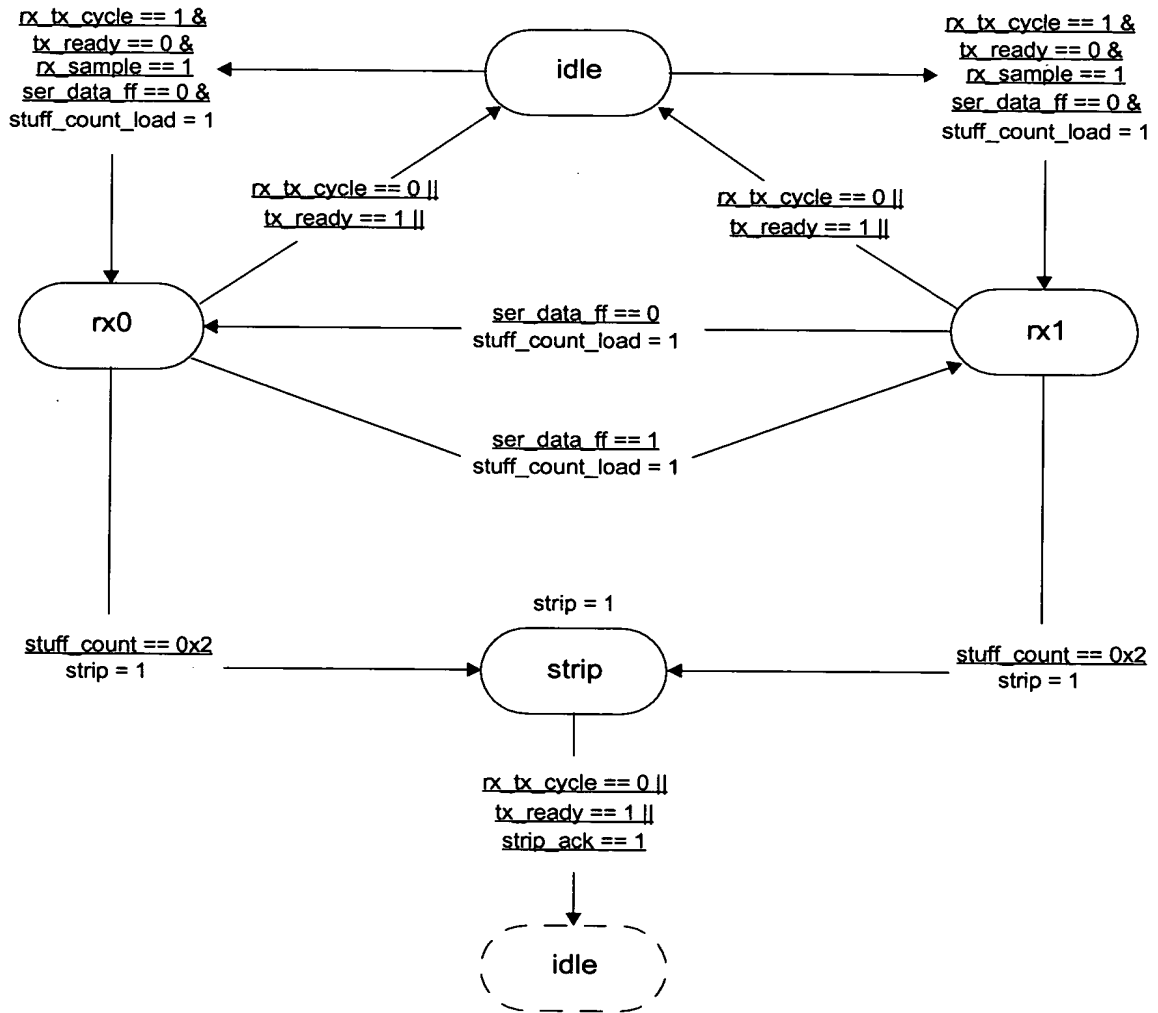
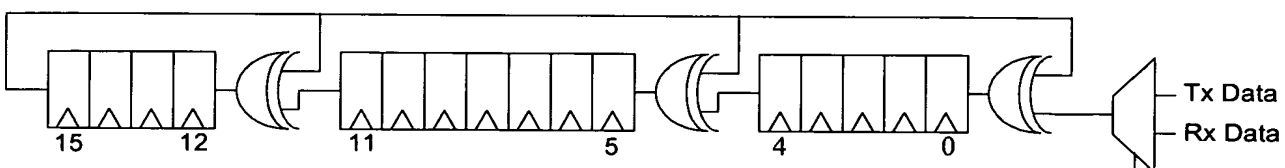
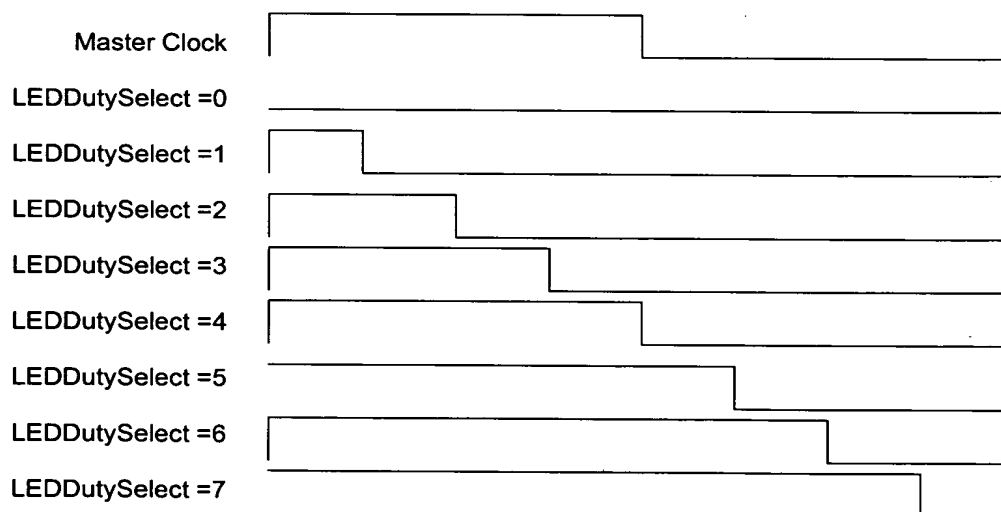


FIG. 51

*FIG. 52**FIG. 54*

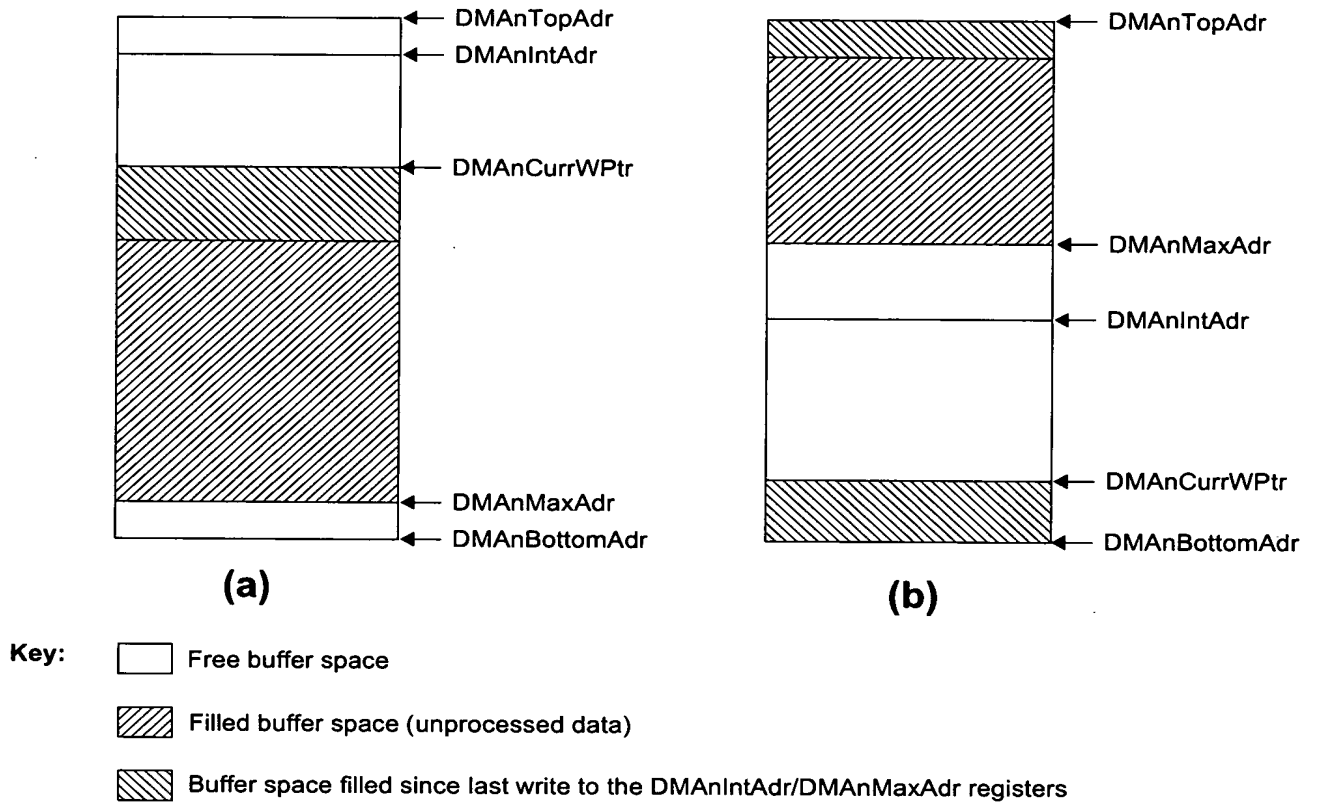


FIG. 53

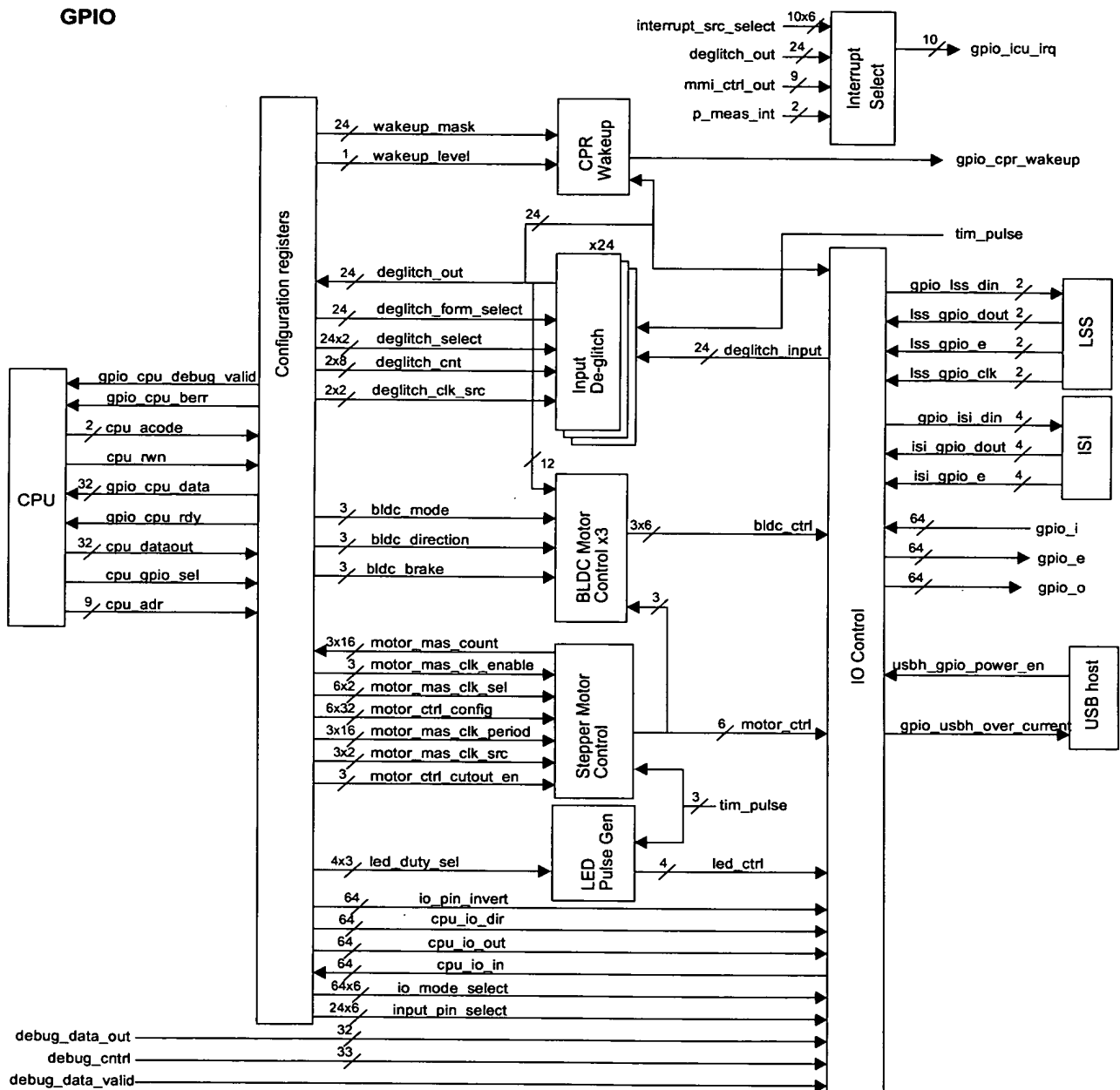


FIG. 55

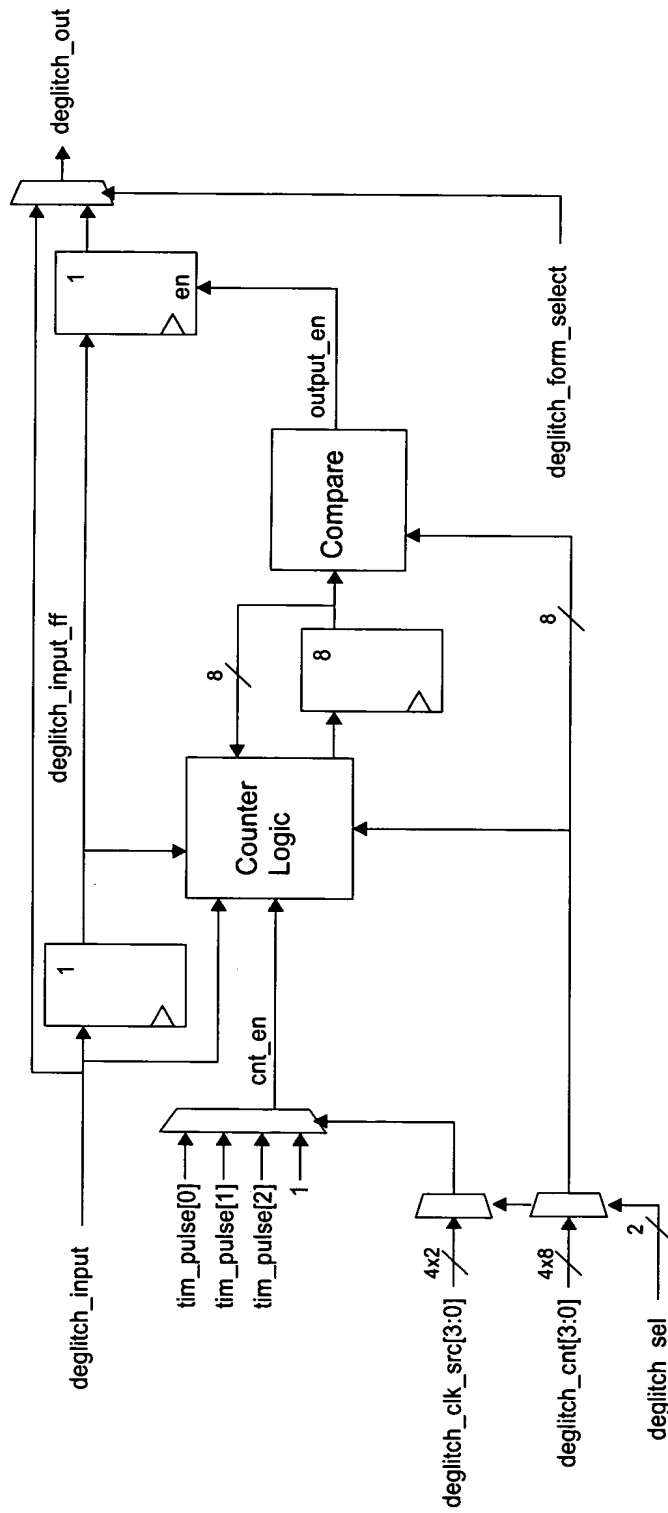


FIG. 57

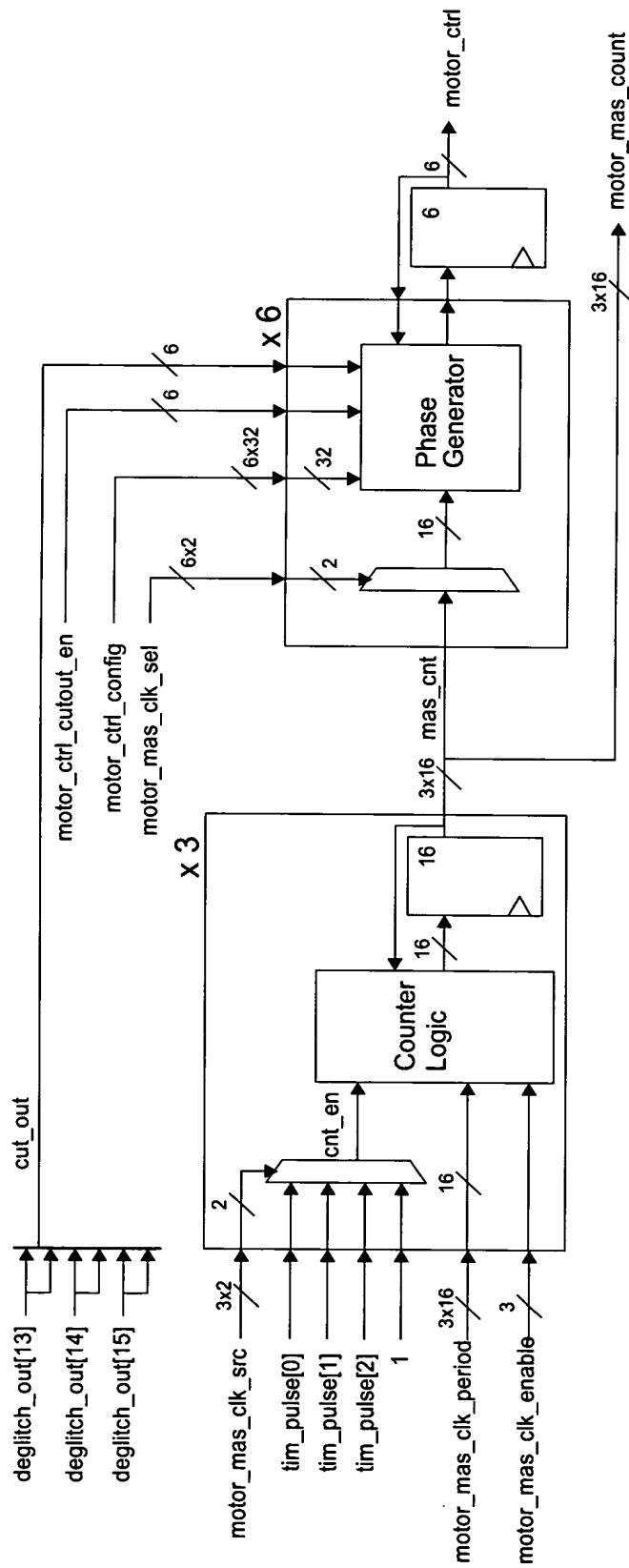


FIG. 58

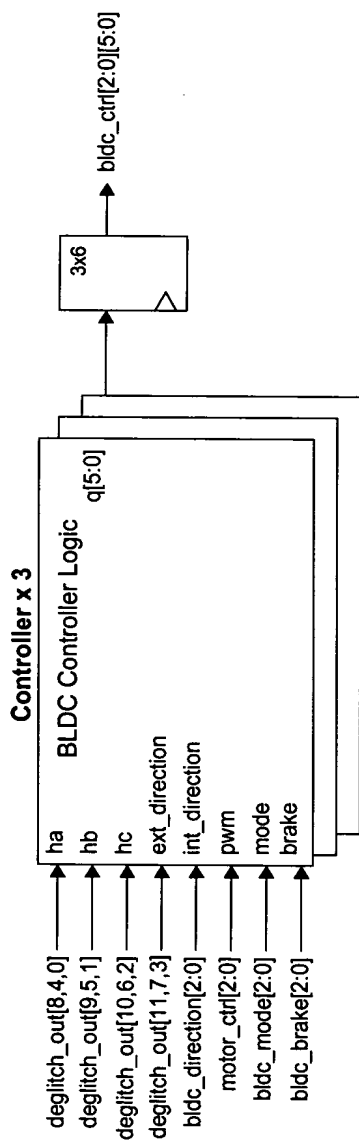


FIG. 59

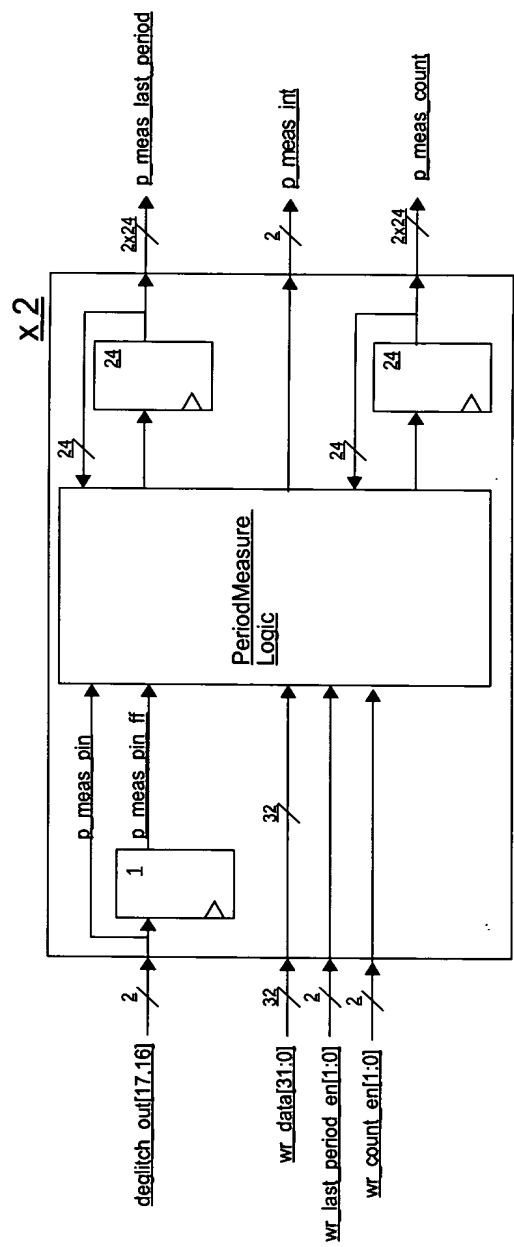


FIG. 60

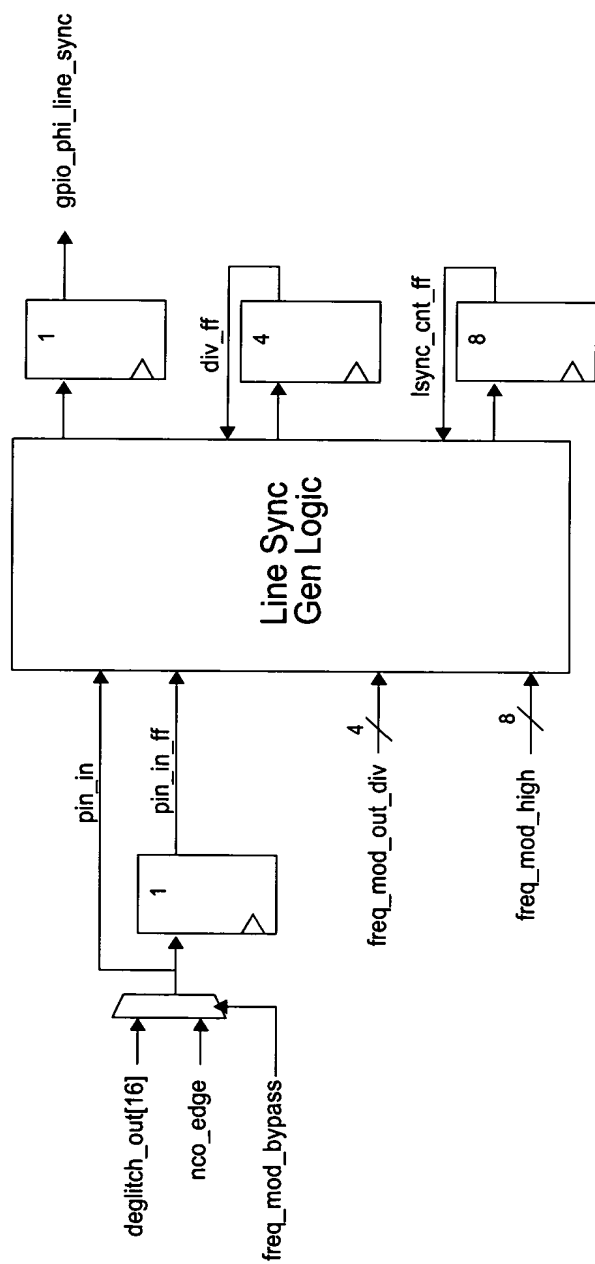


FIG. 61

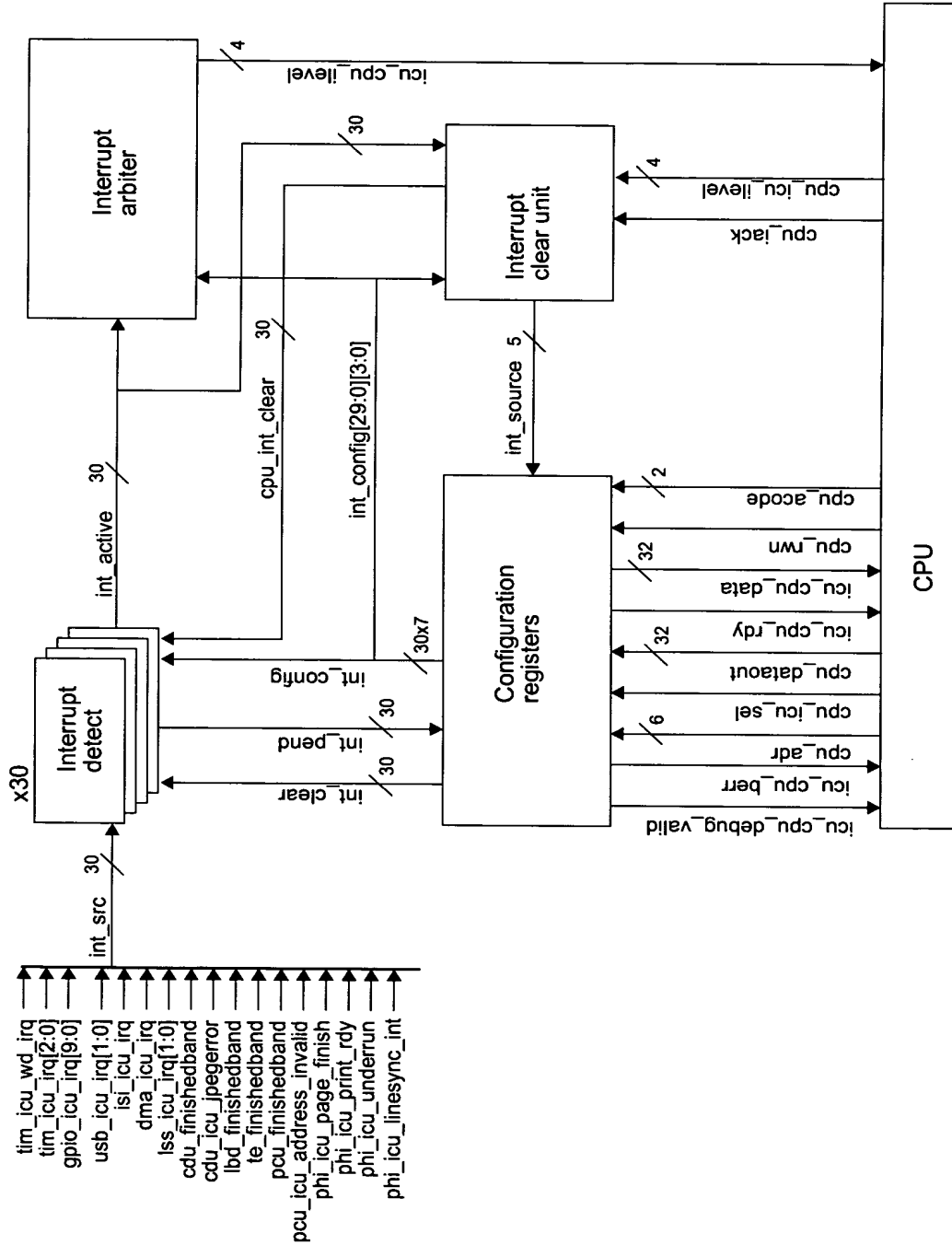


FIG. 62

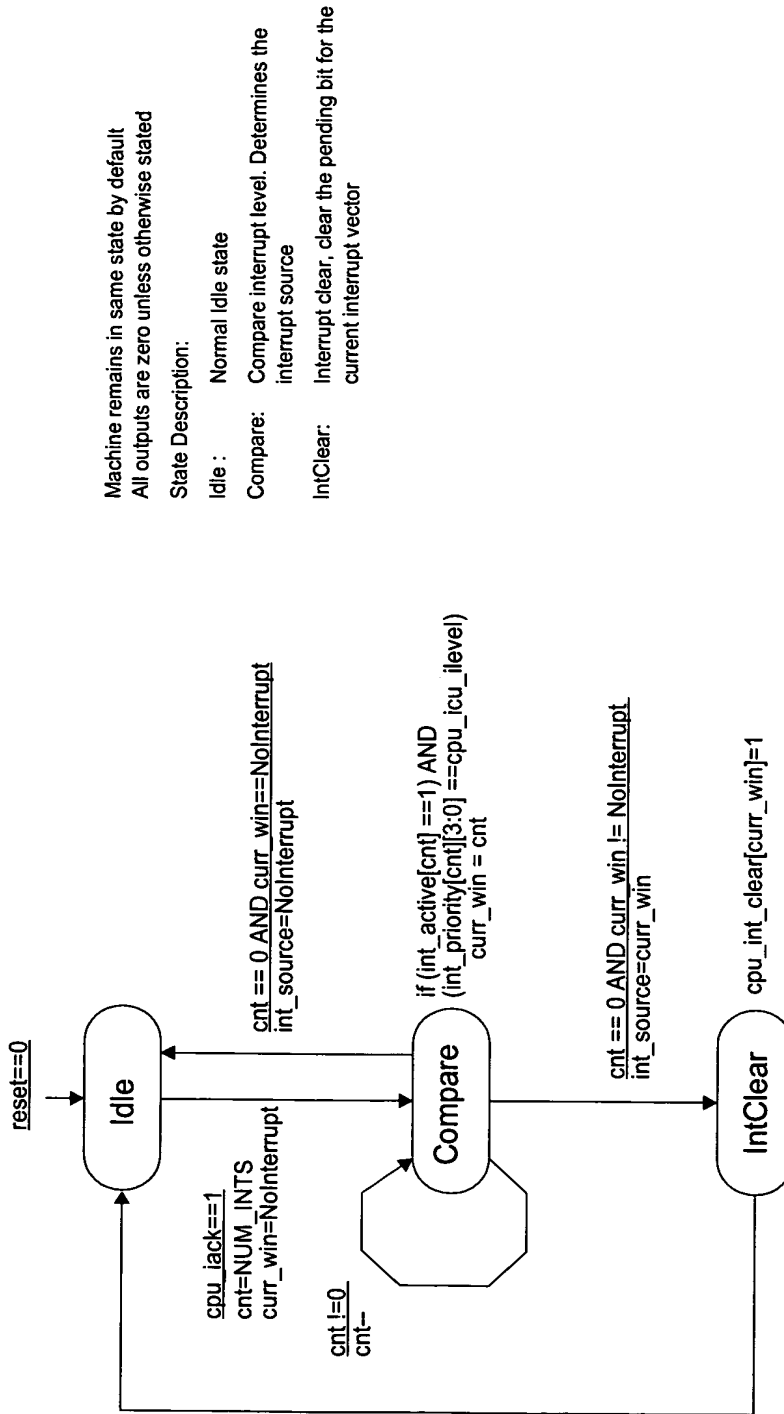


FIG. 63

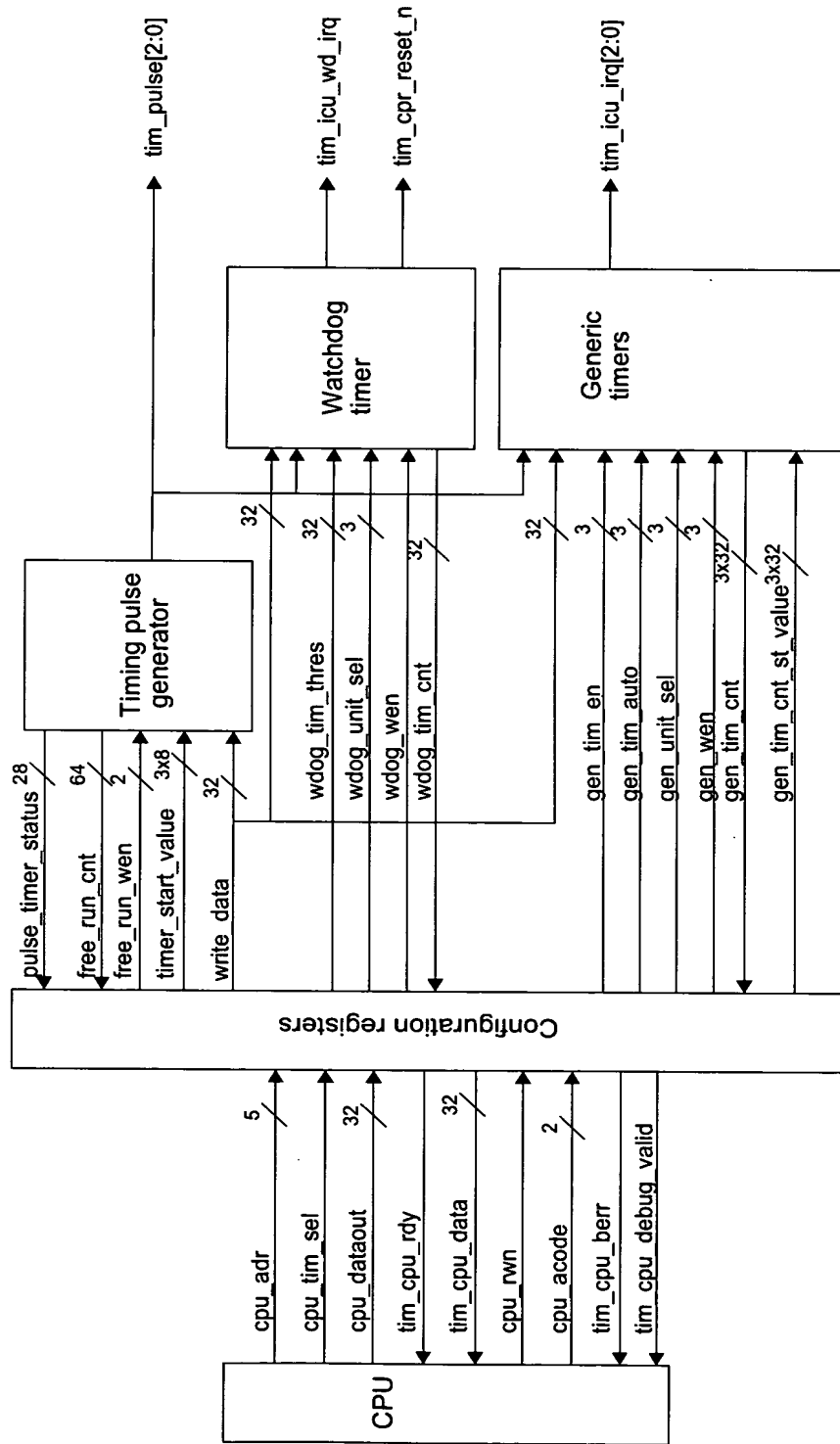


FIG. 63A

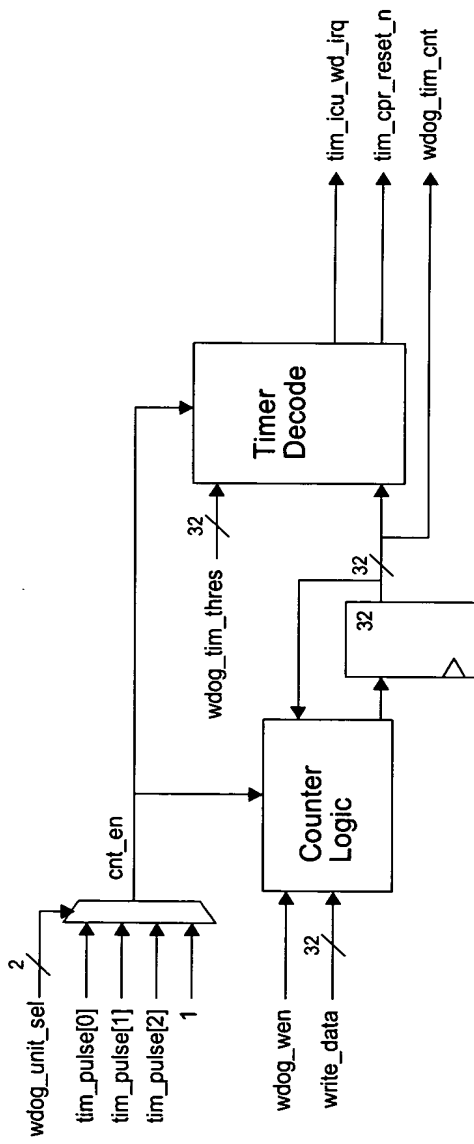


FIG. 64

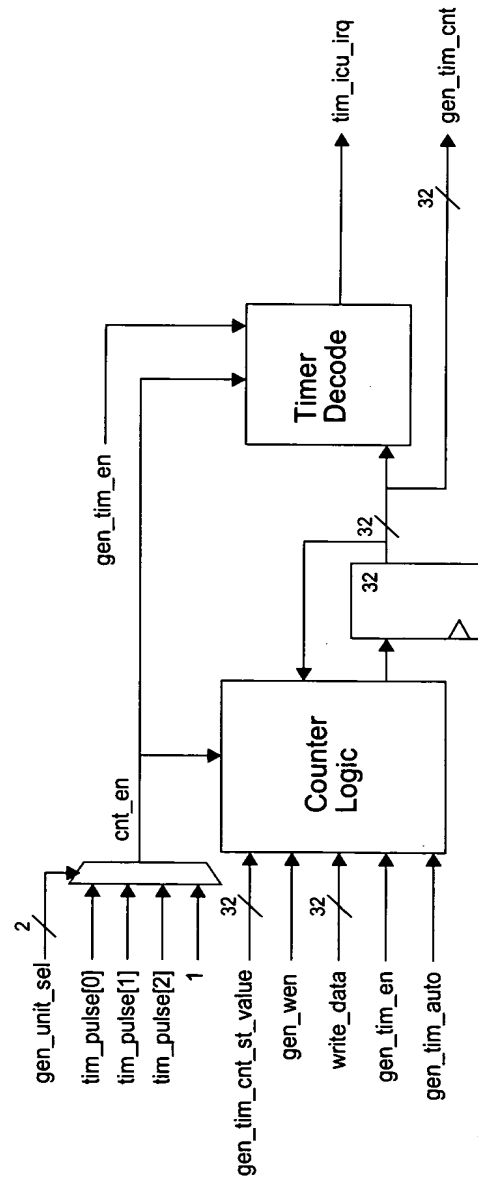


FIG. 65

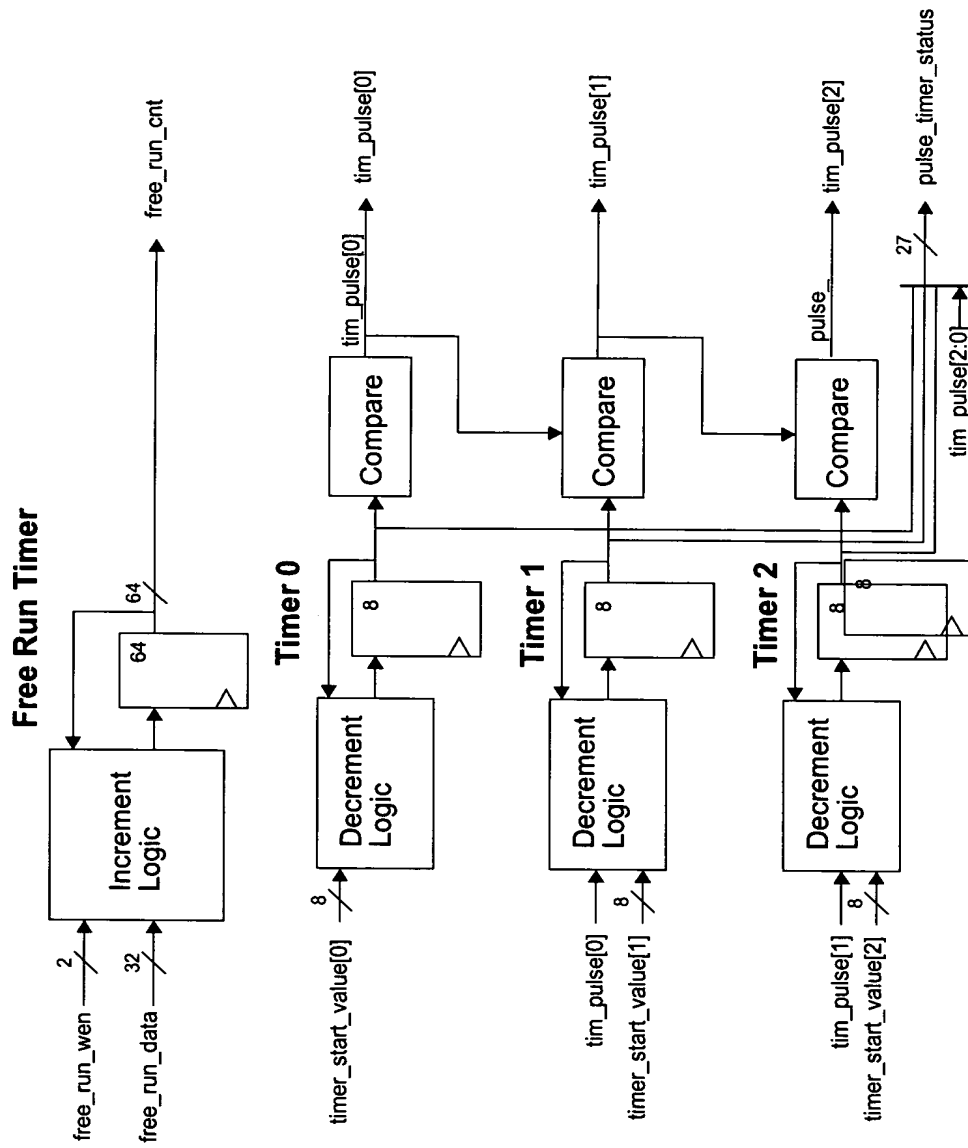


FIG. 66

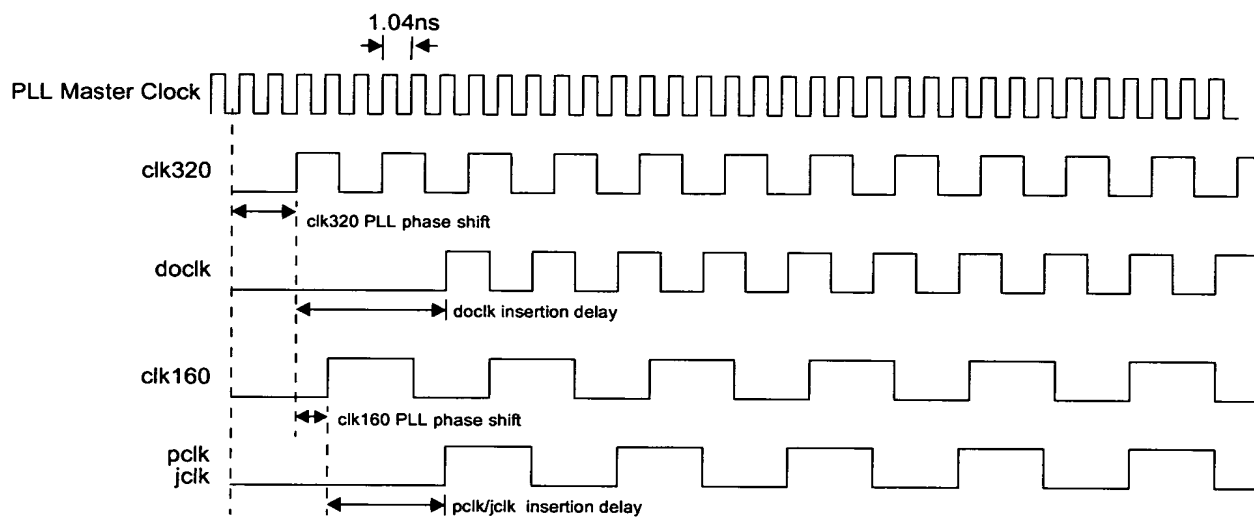


FIG. 67

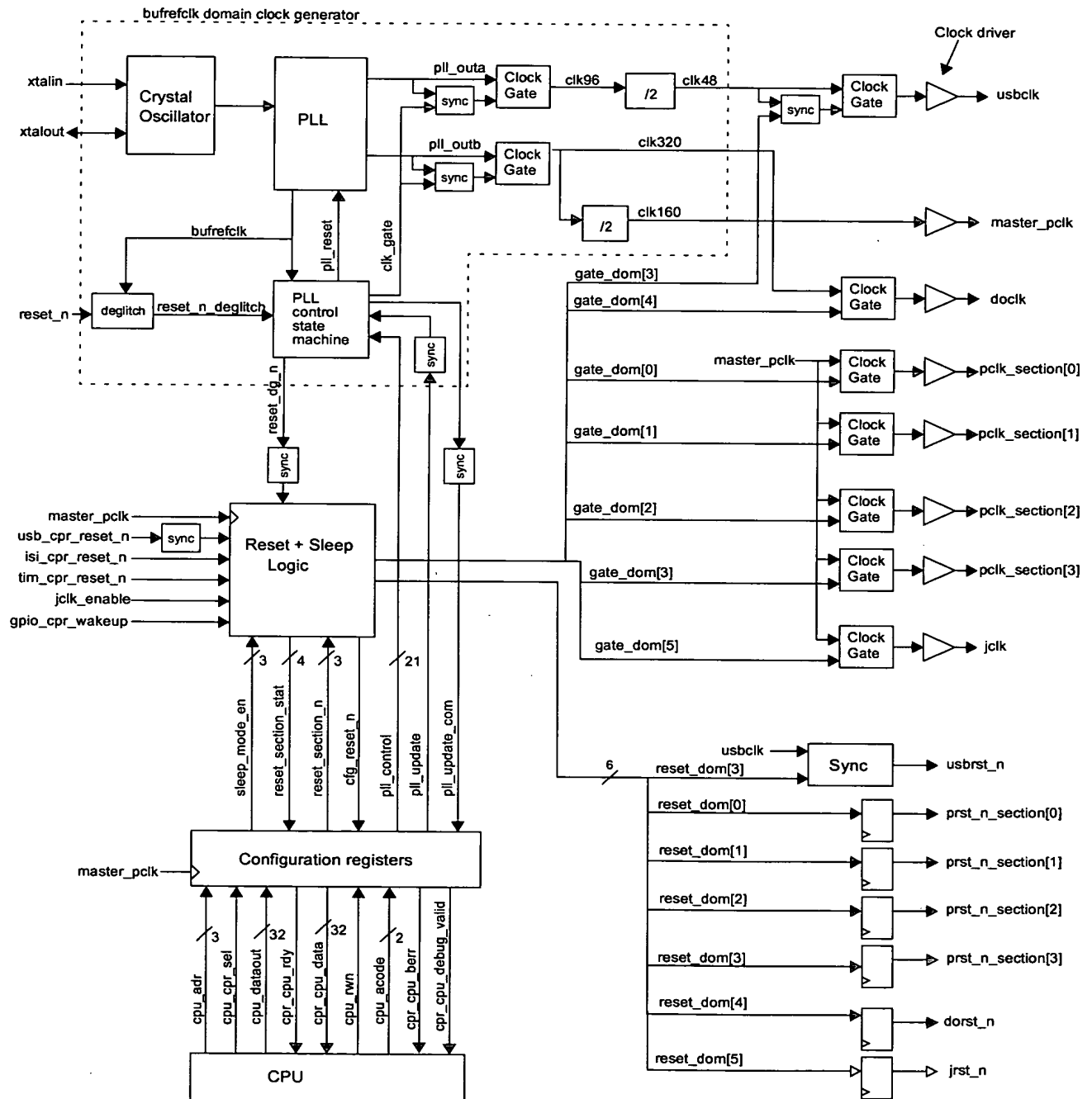
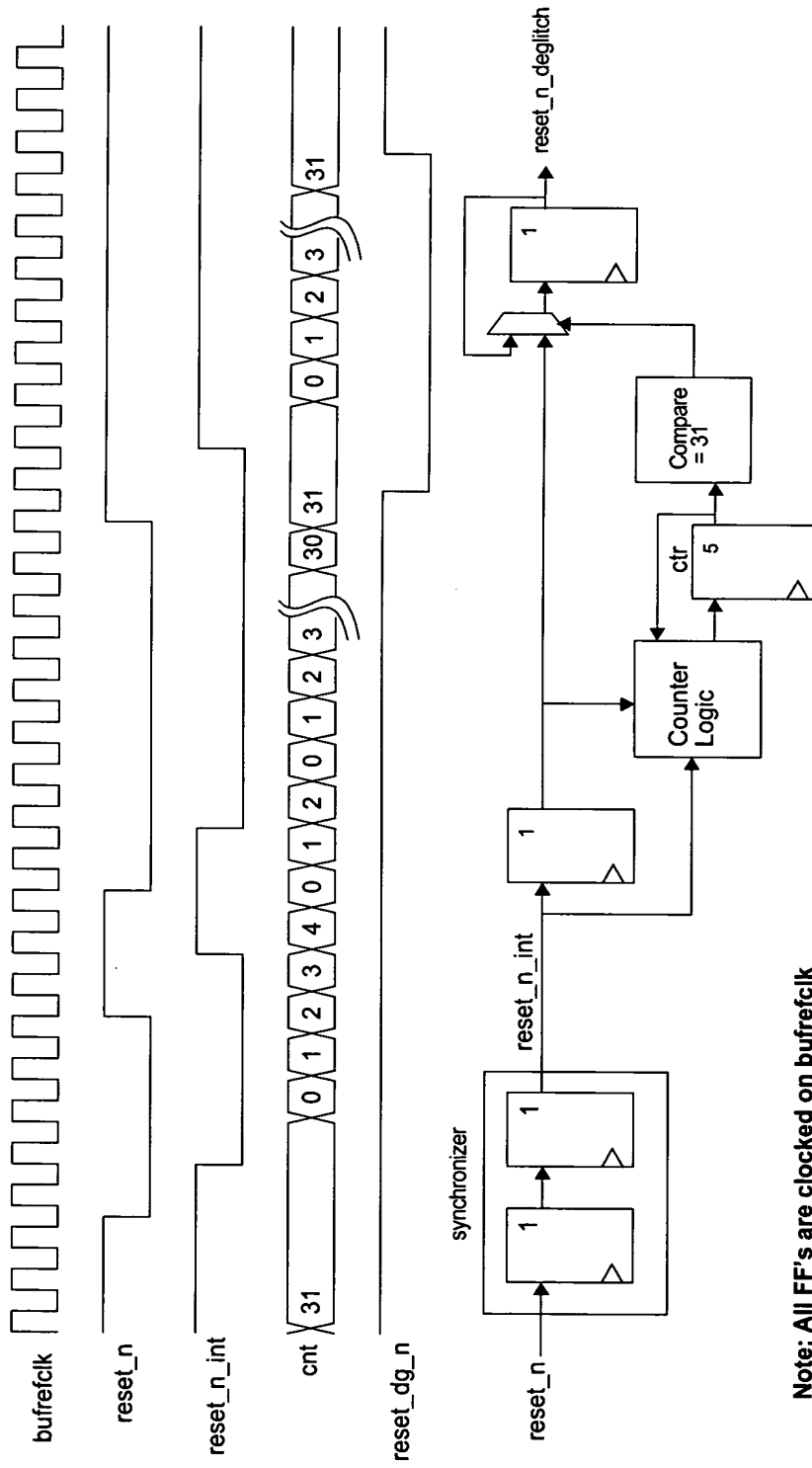


FIG. 68



Note: All FF's are clocked on bufrefclk

FIG. 69

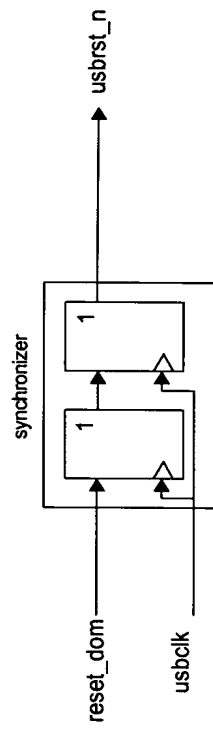
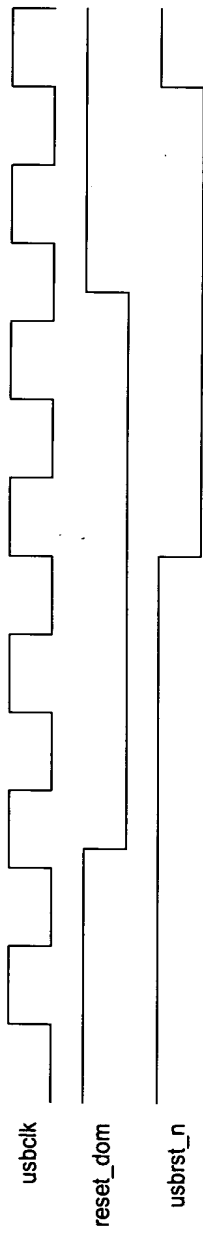


FIG. 70

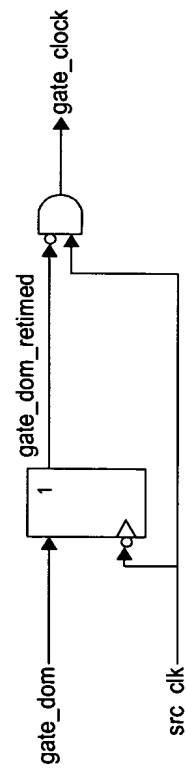
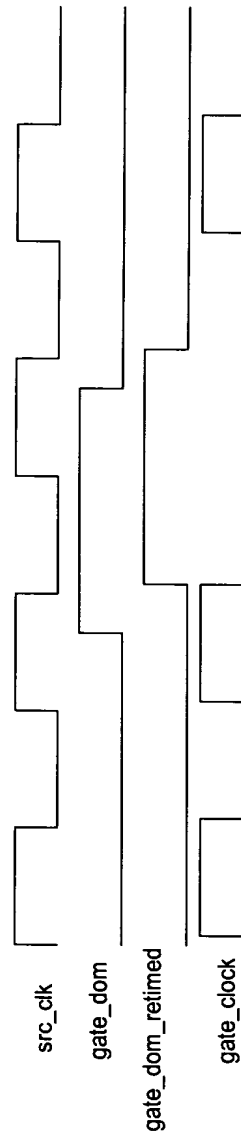
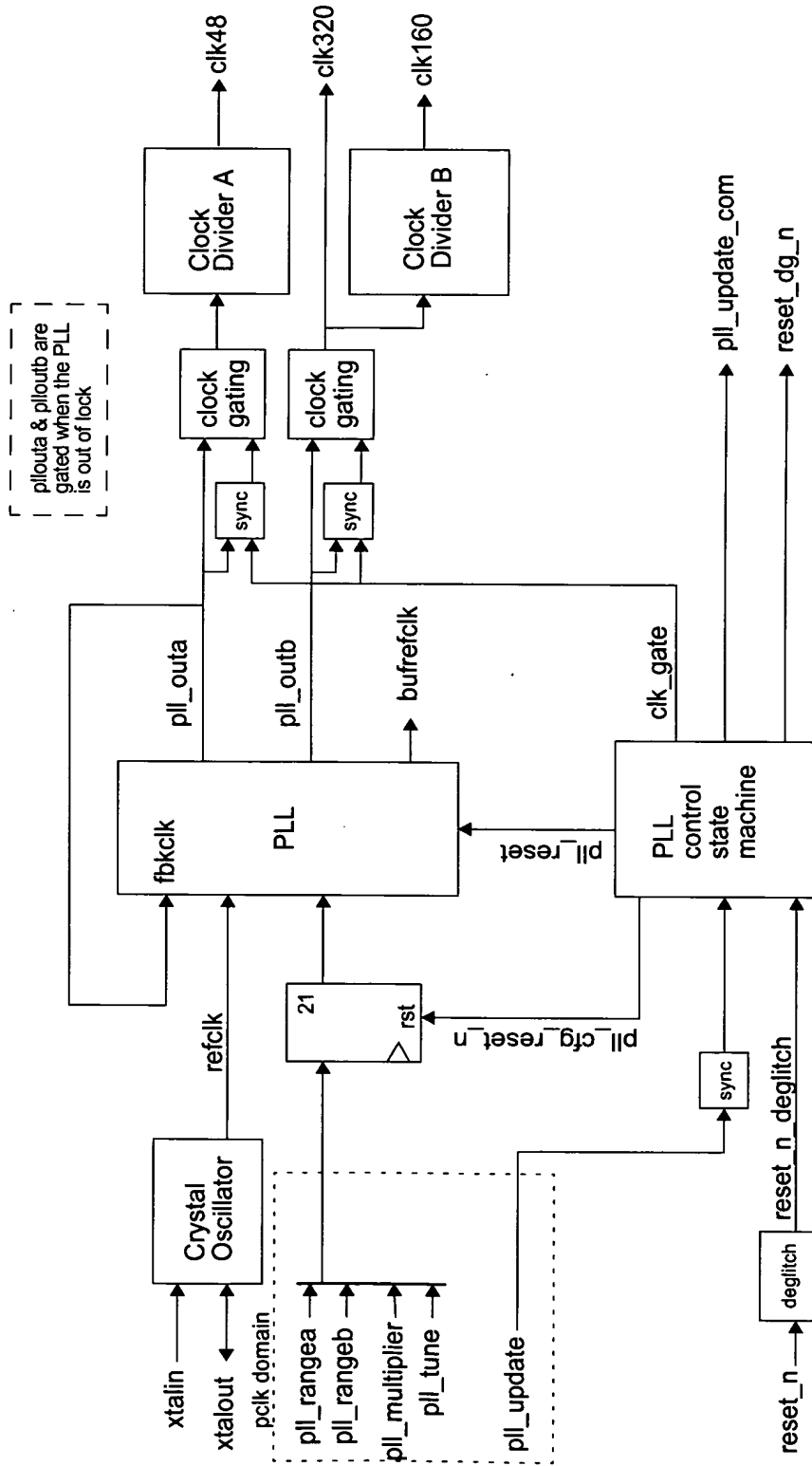


FIG. 71



Note: All logic clocked on `bufrefclk` unless otherwise indicated

FIG. 72



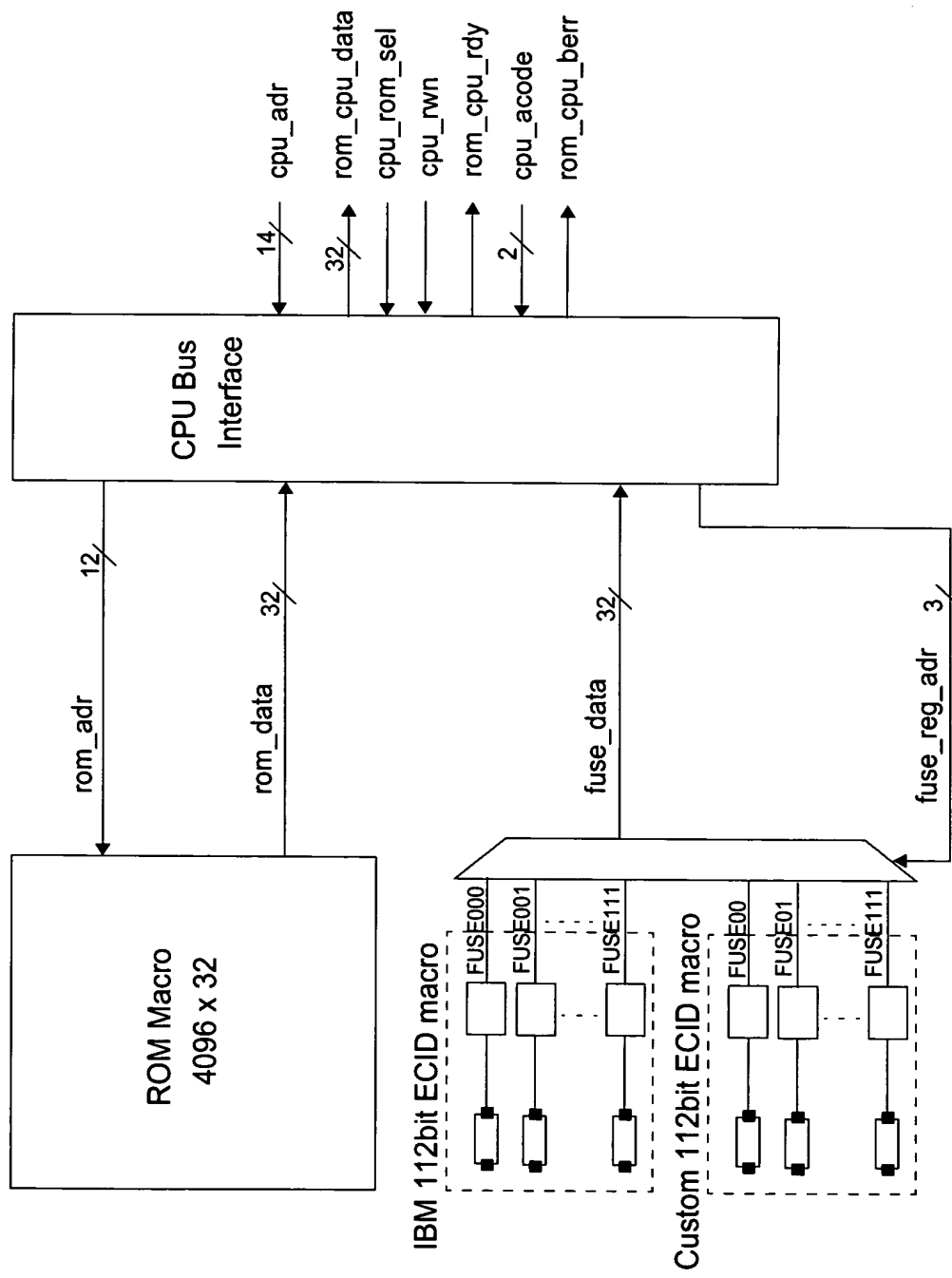


FIG. 74

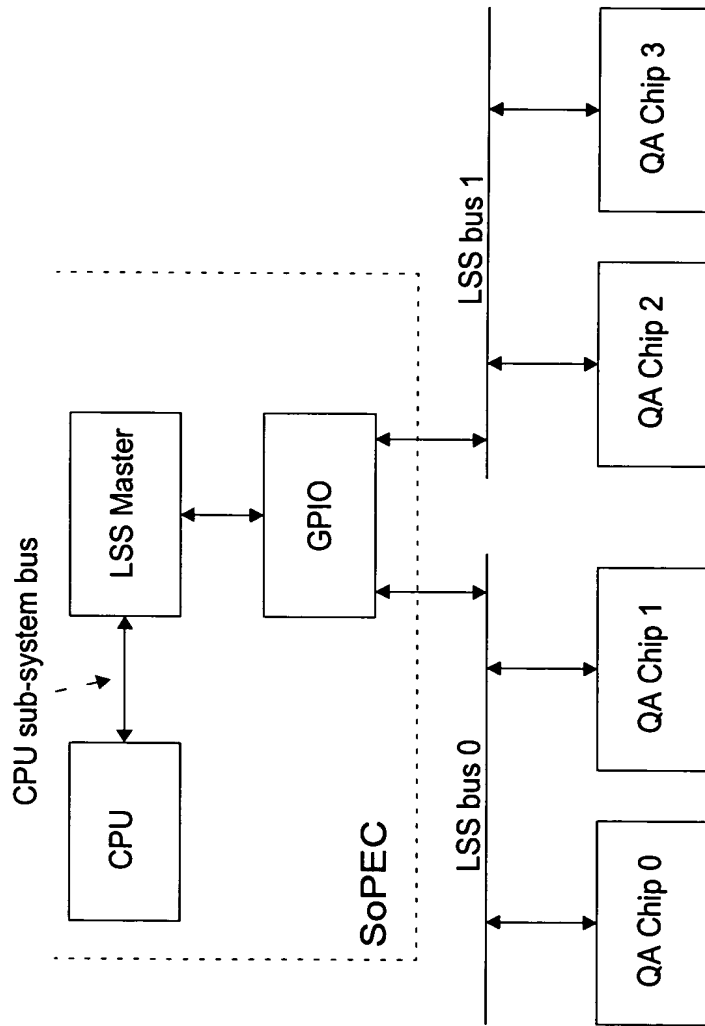
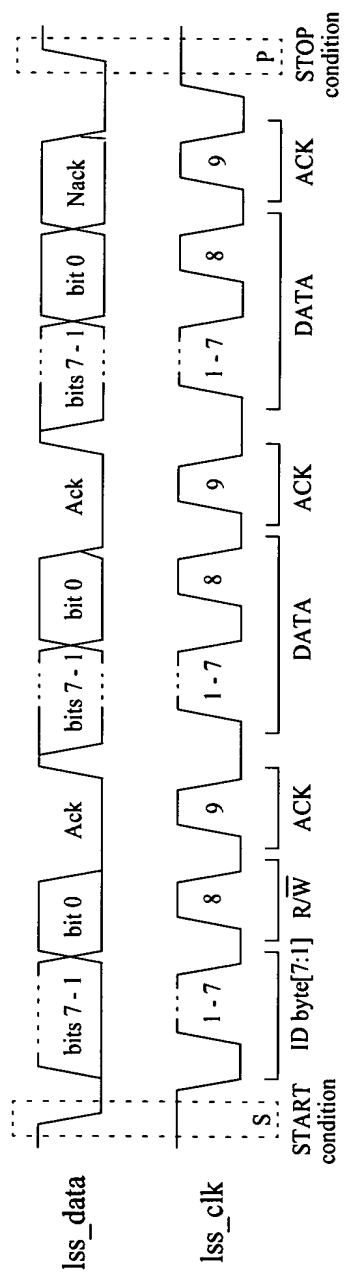
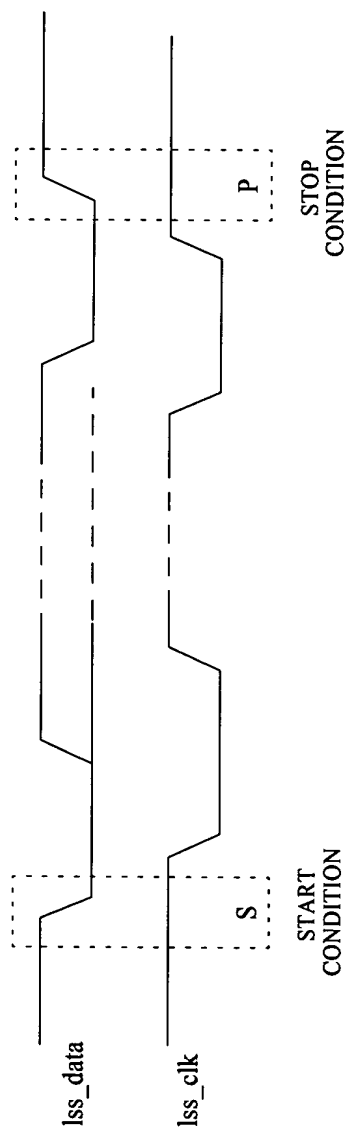


FIG. 75



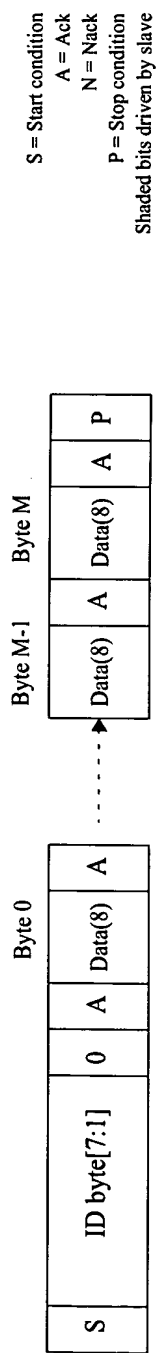


FIG. 78

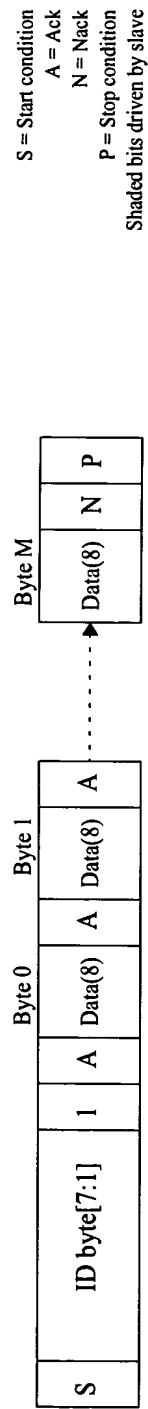


FIG. 79

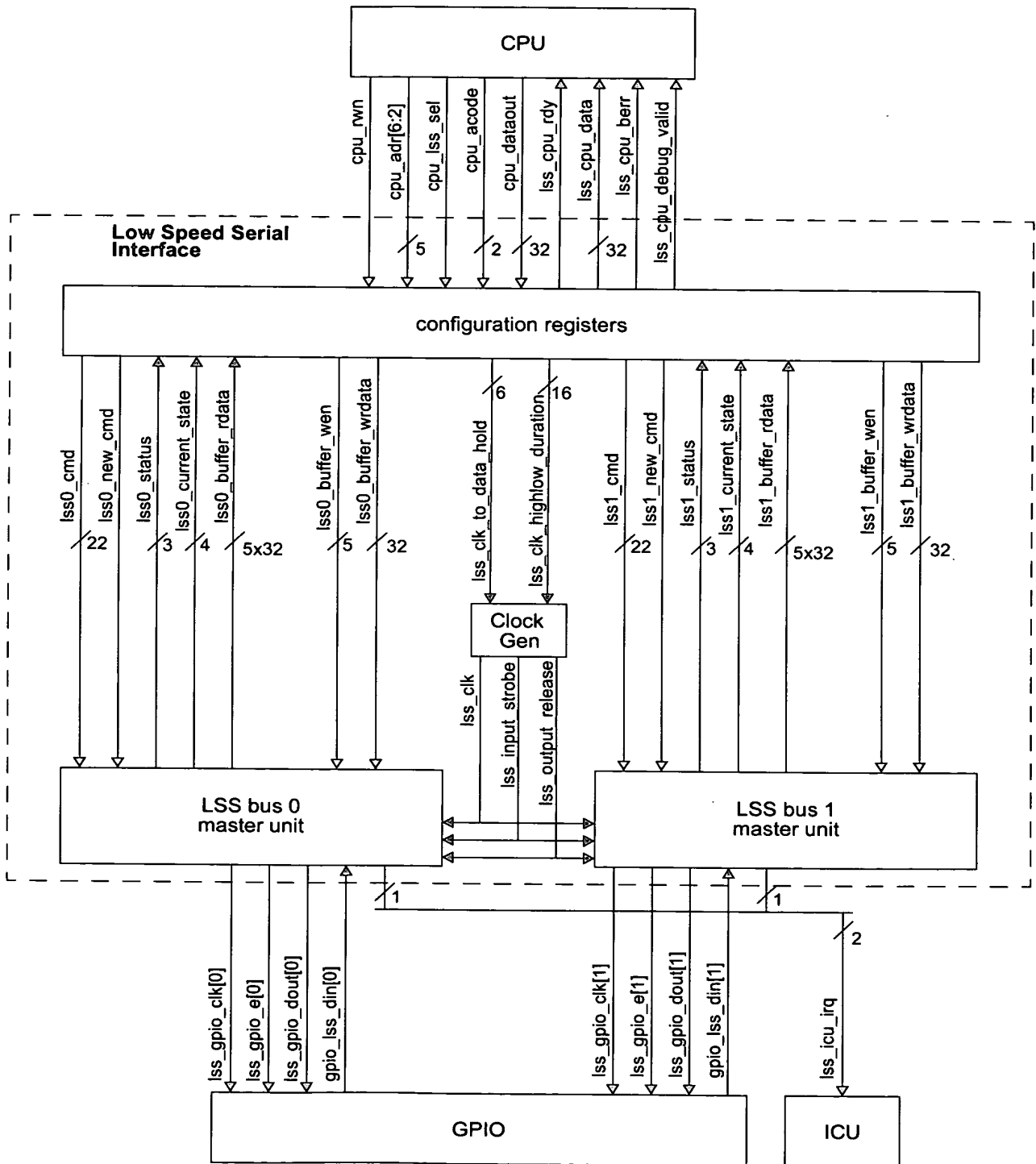


FIG. 80

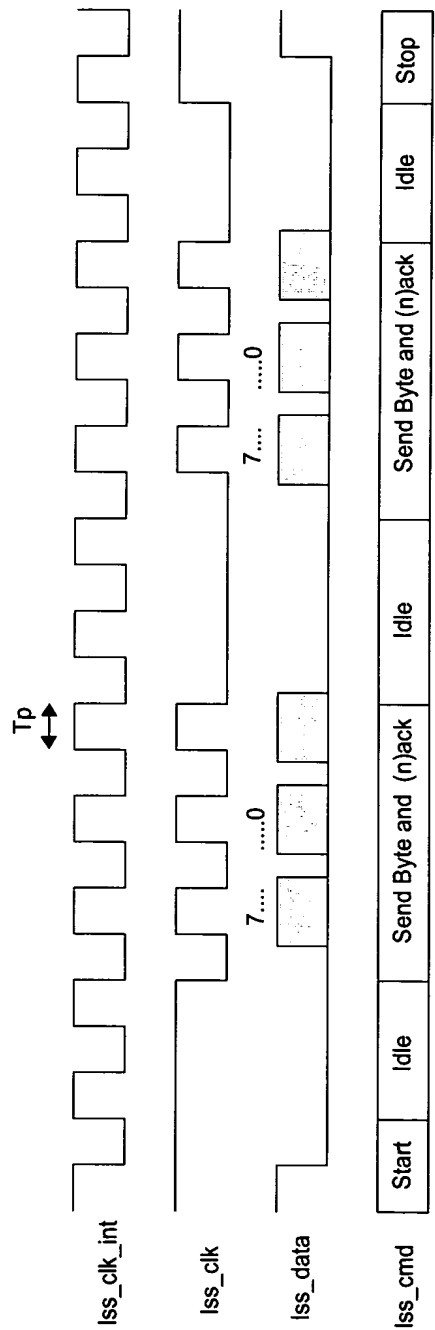


FIG. 81

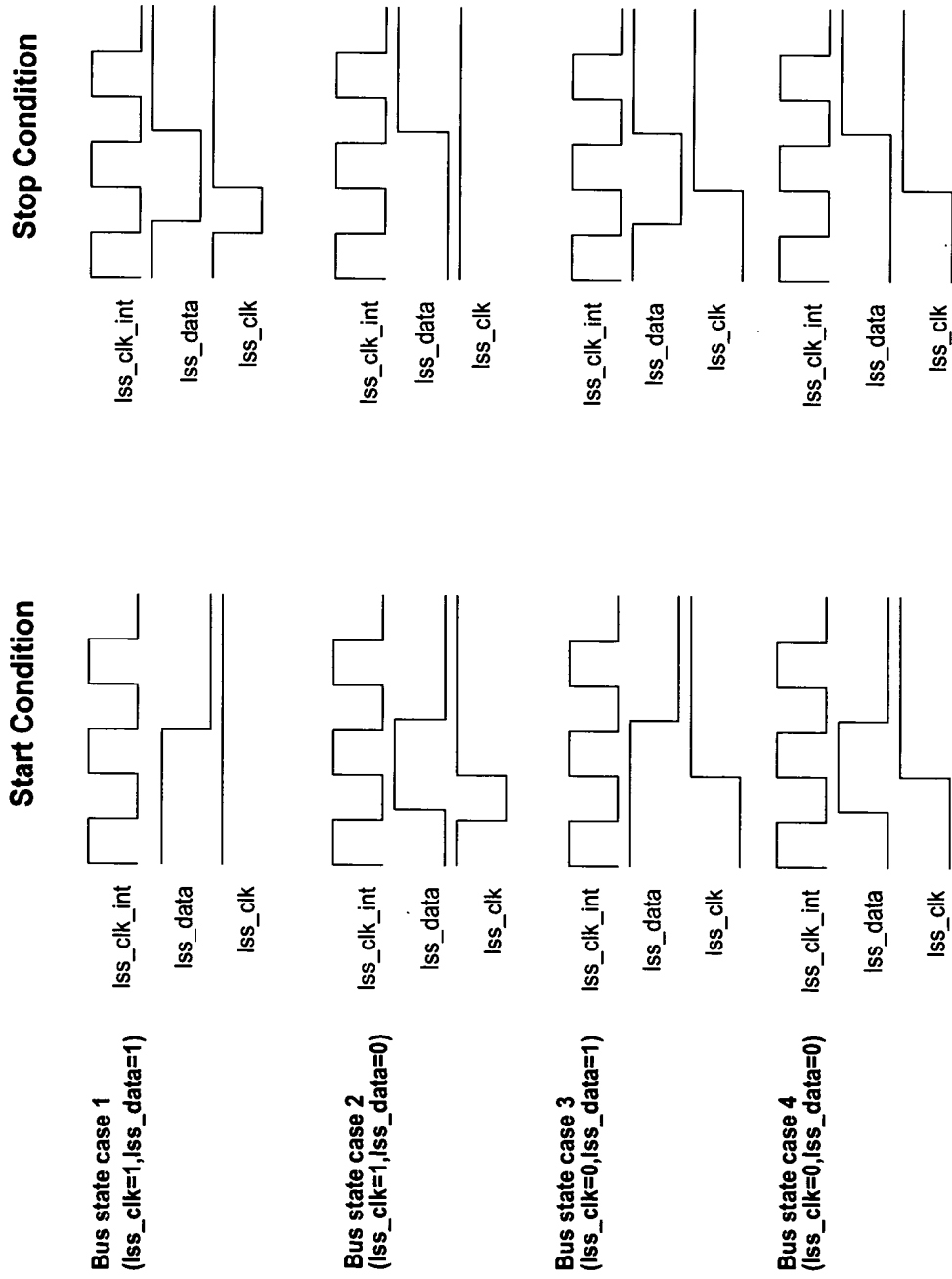


FIG. 82

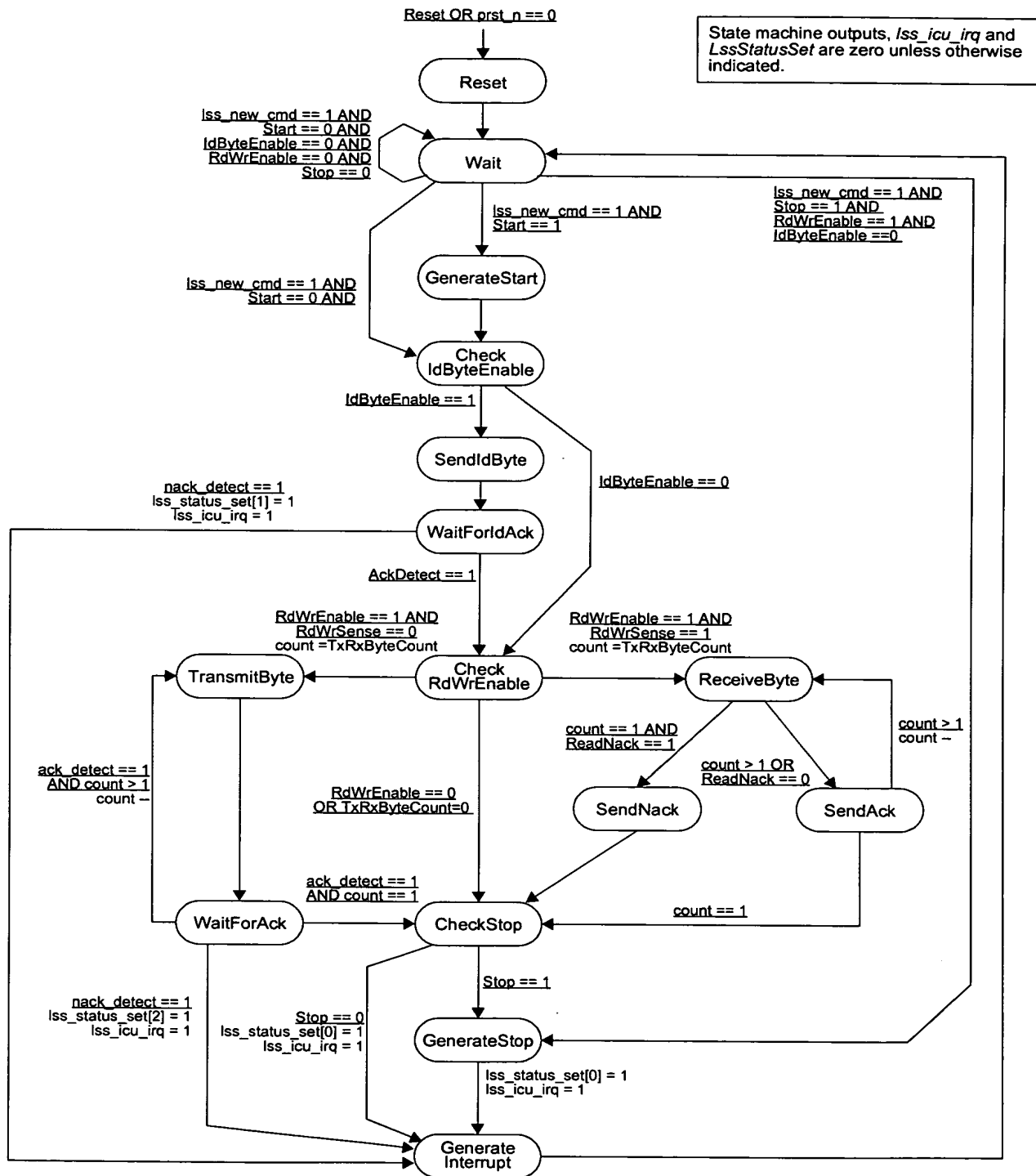


FIG. 83

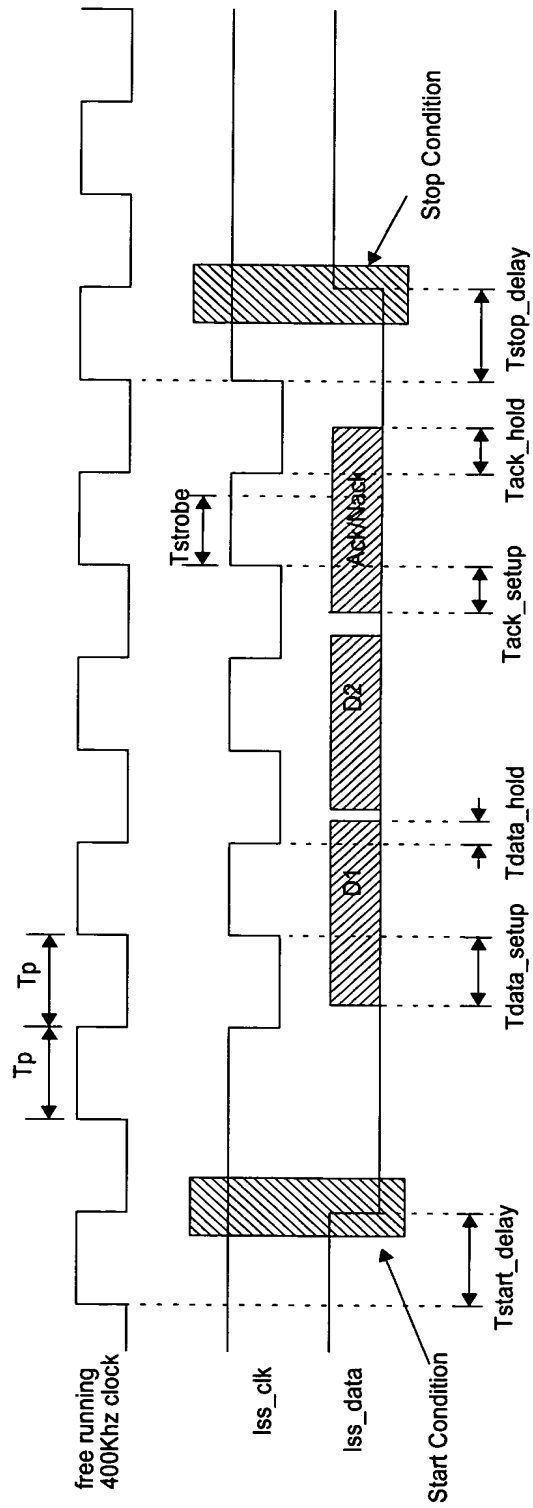


FIG. 84

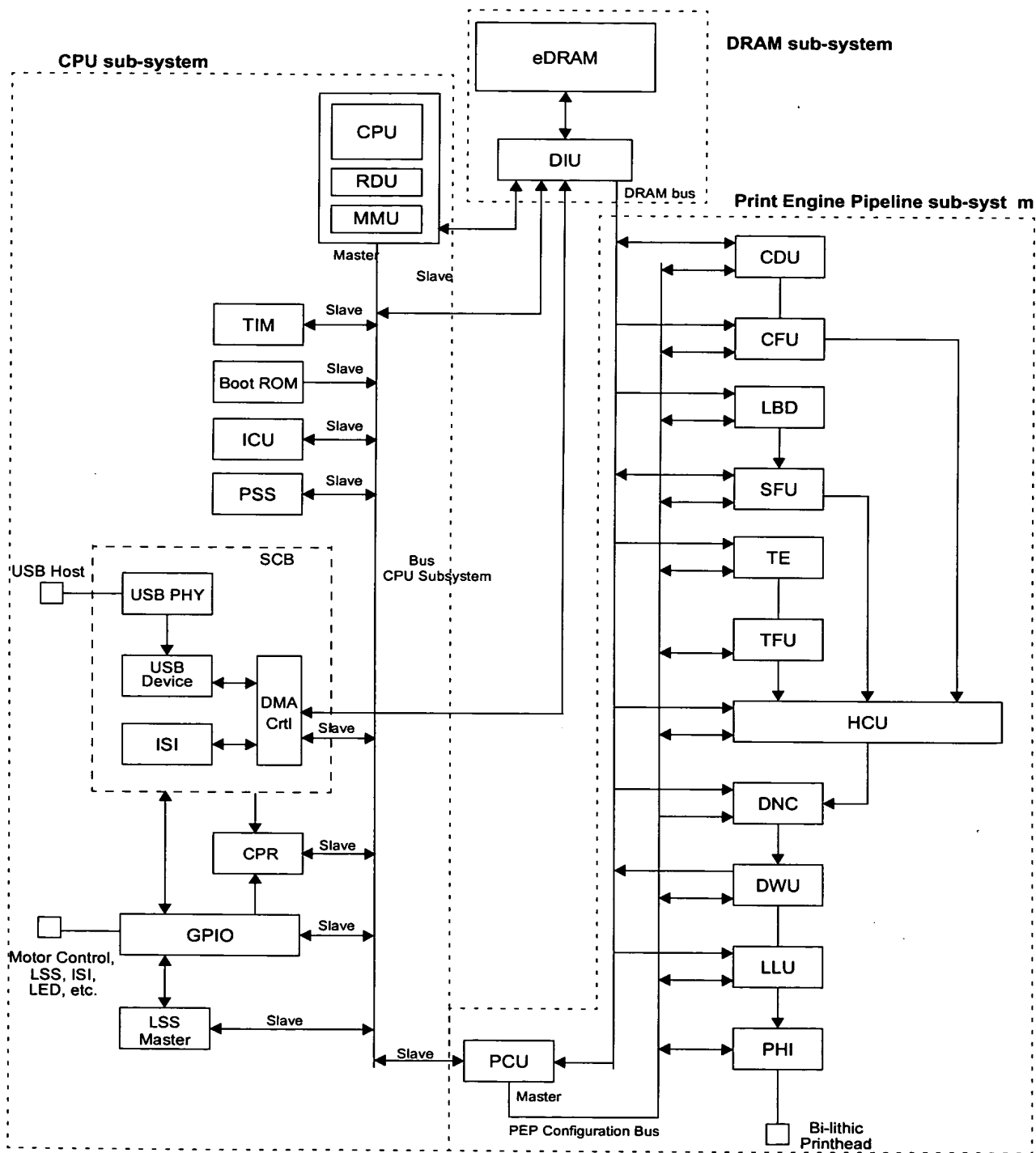


FIG. 85

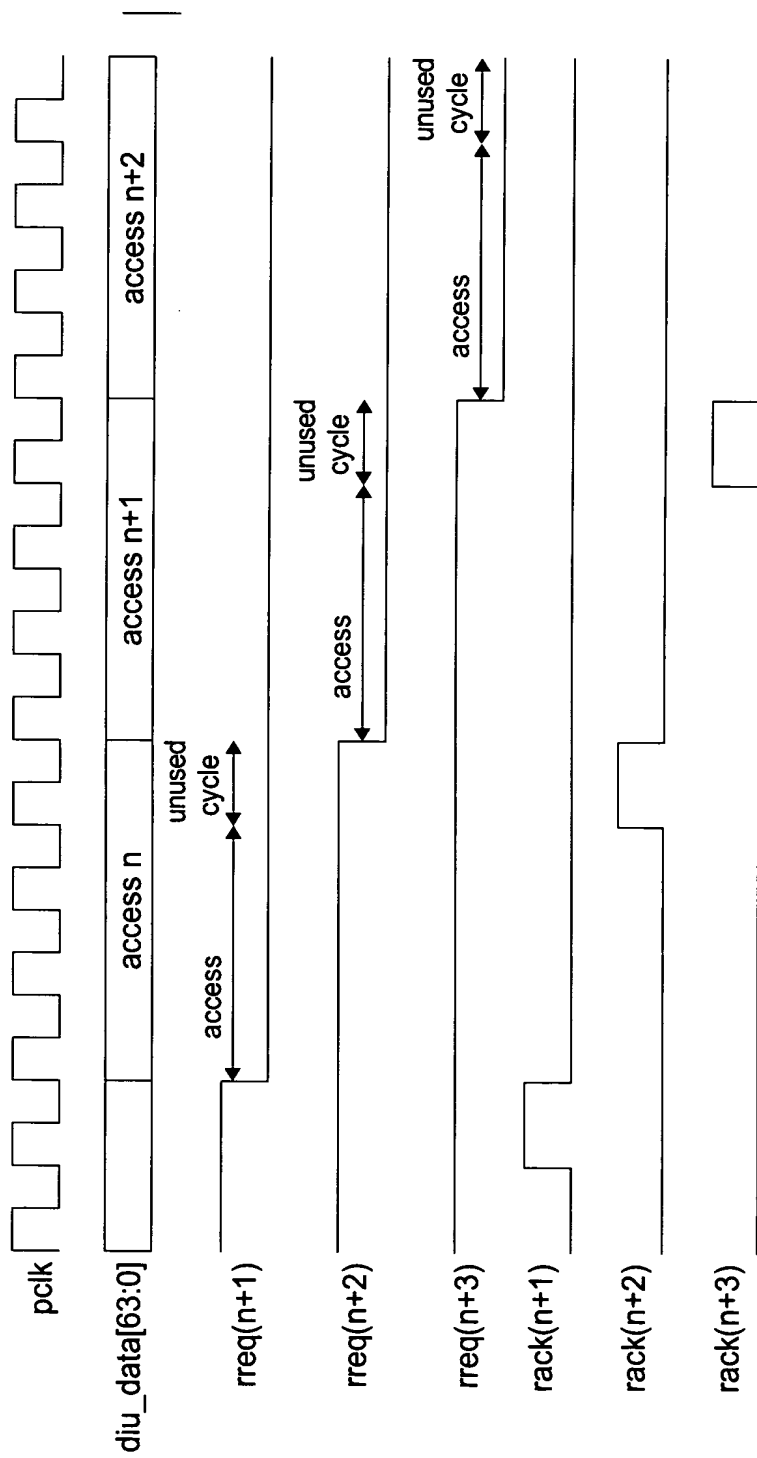


FIG. 86

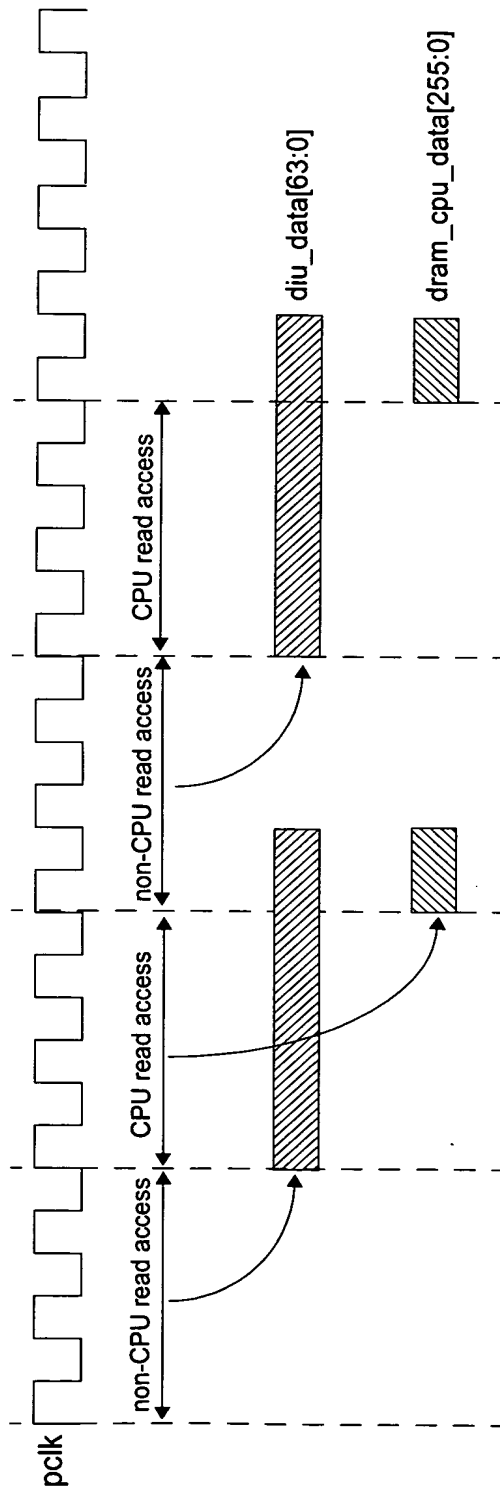


FIG. 87

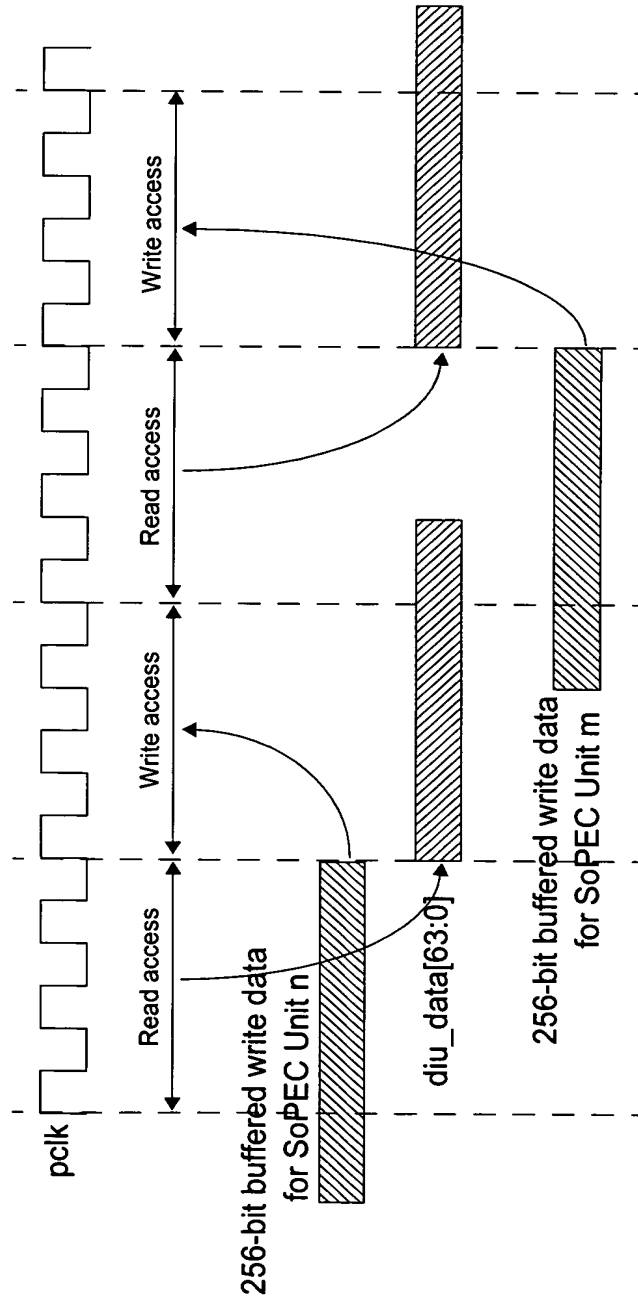
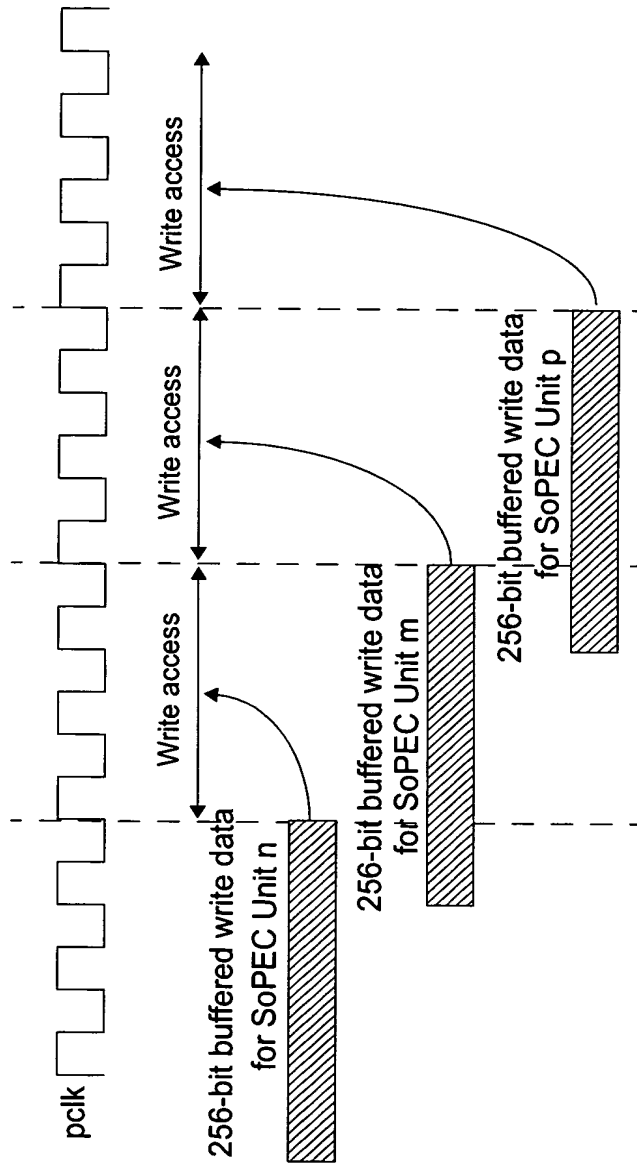


FIG. 88

*FIG. 89*

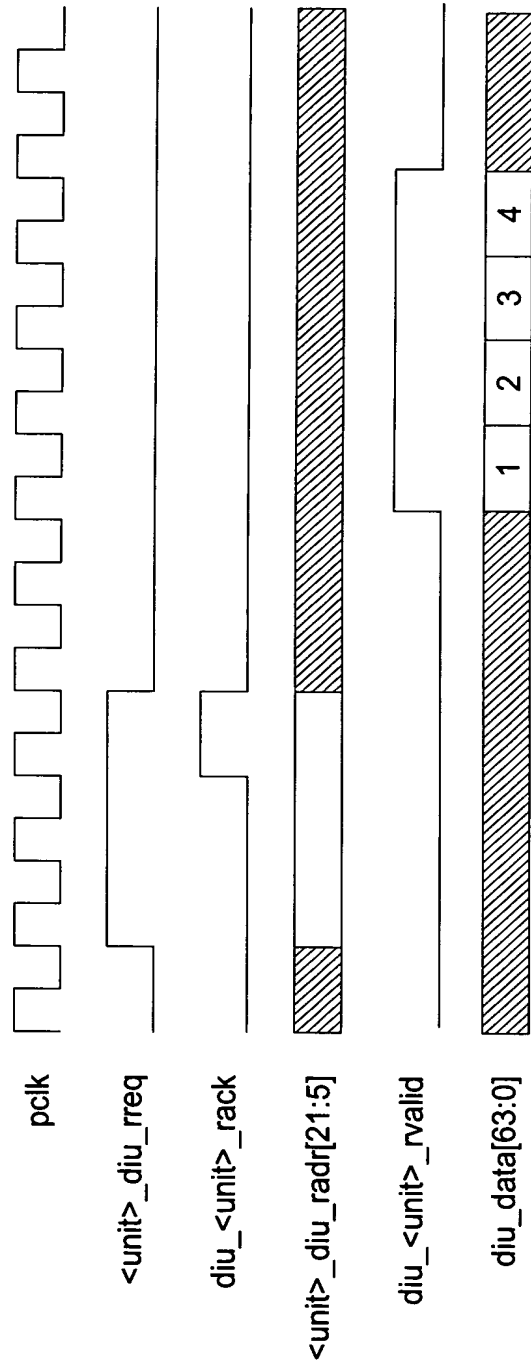


FIG. 90

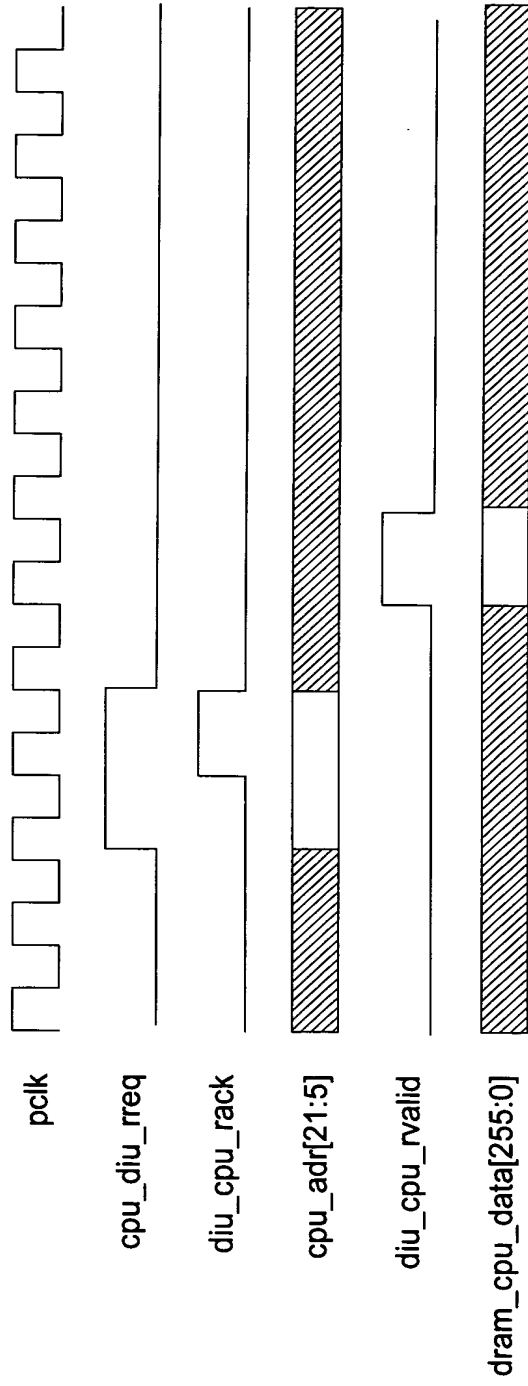


FIG. 91

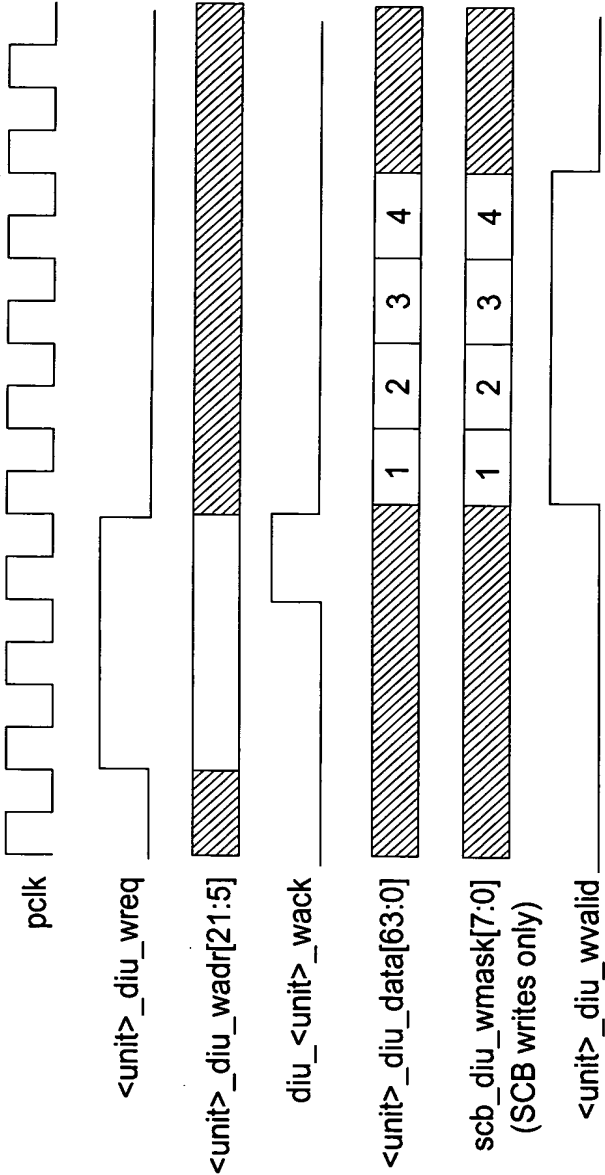


FIG. 92

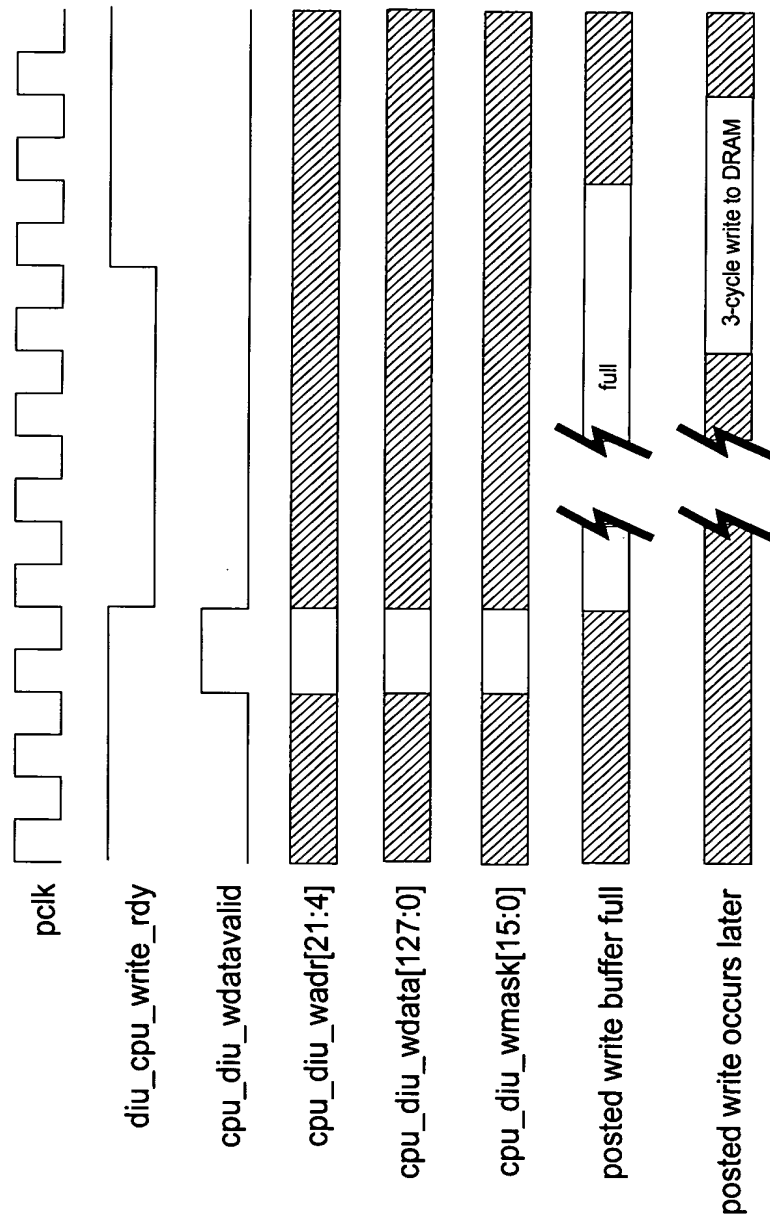


FIG. 93

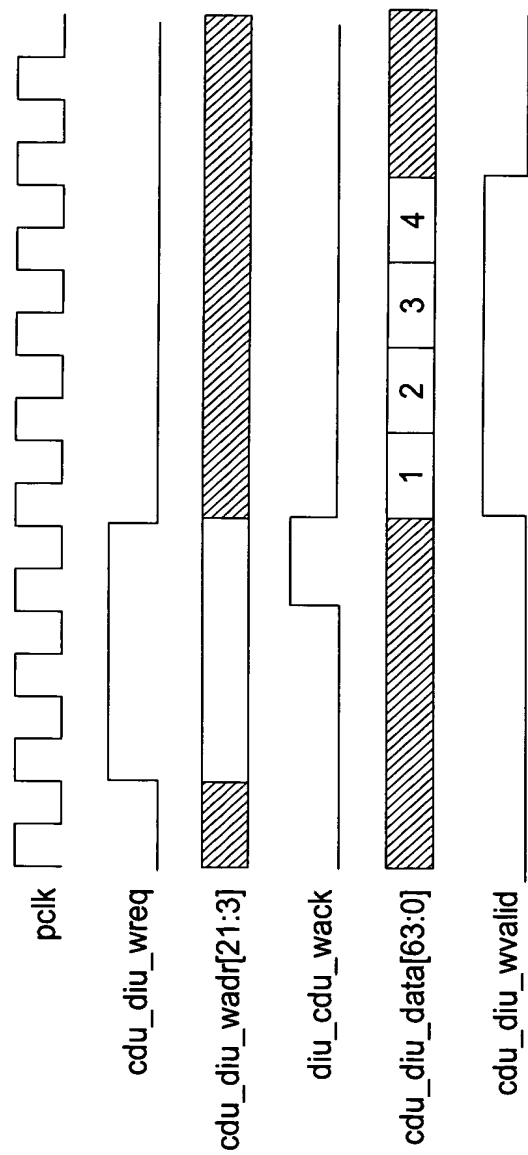
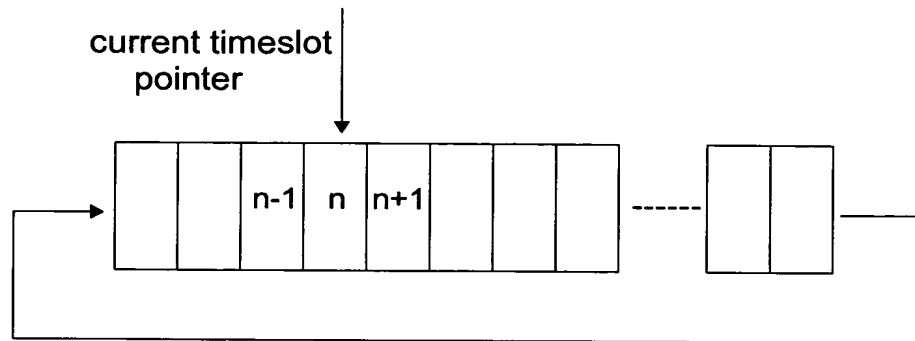
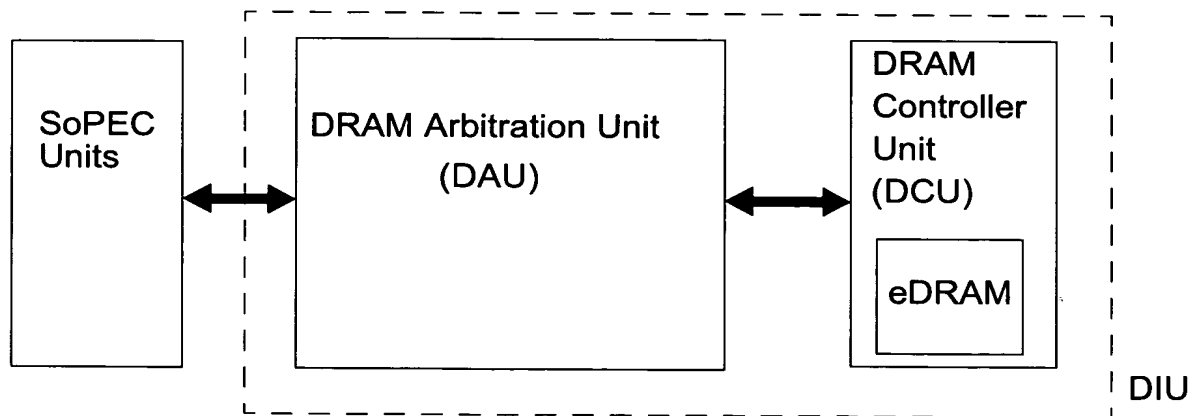
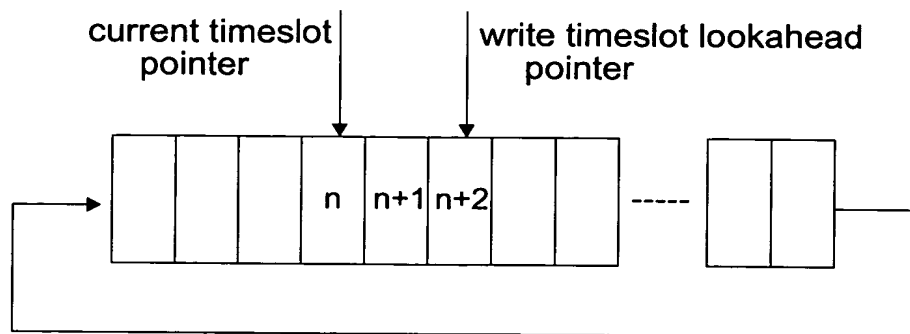
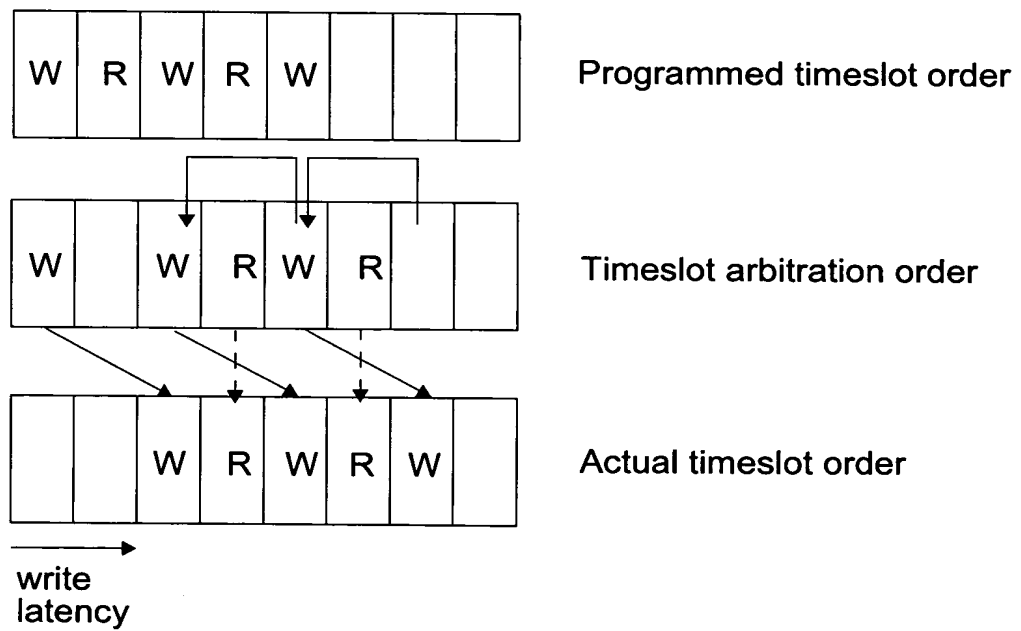


FIG. 94

*FIG. 95**FIG. 100*

*FIG. 96**FIG. 97*

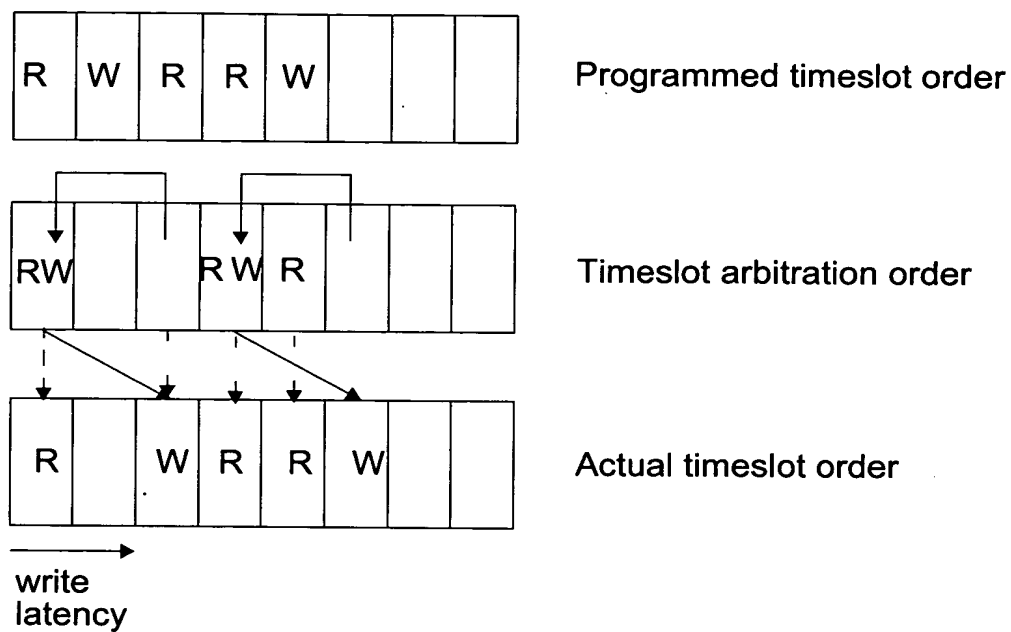


FIG. 98

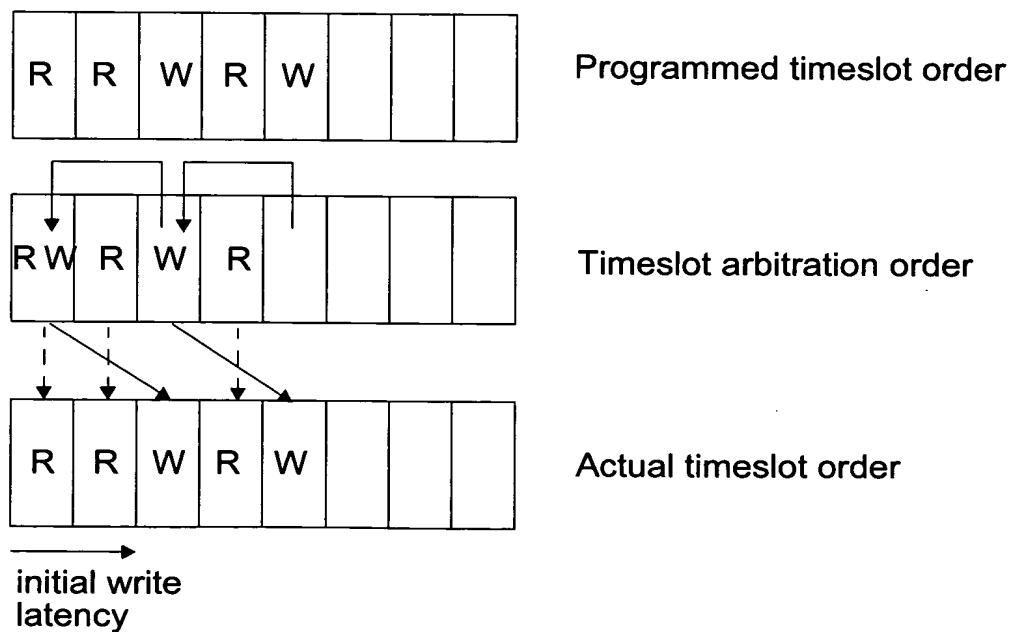


FIG. 99

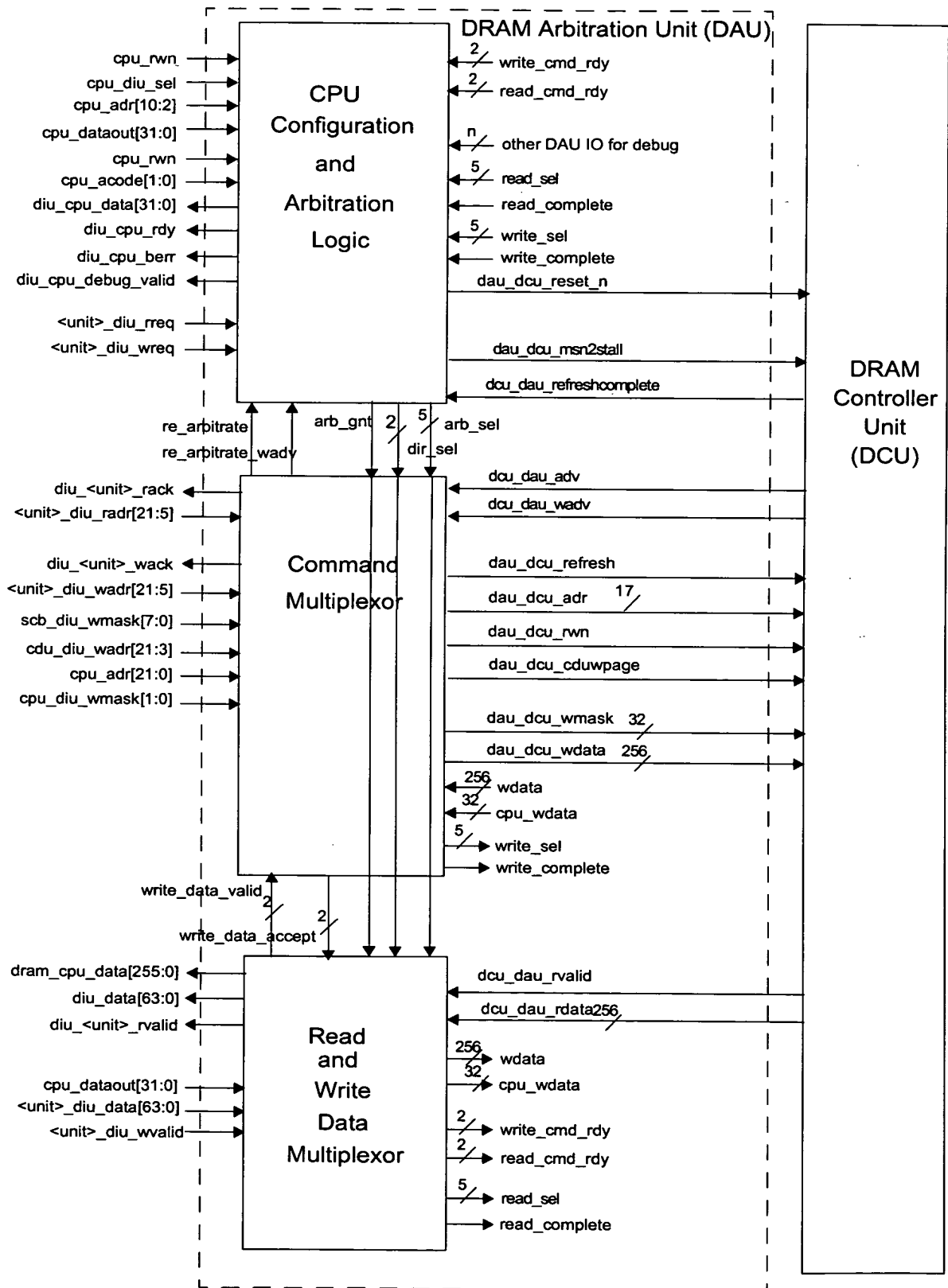


FIG. 101

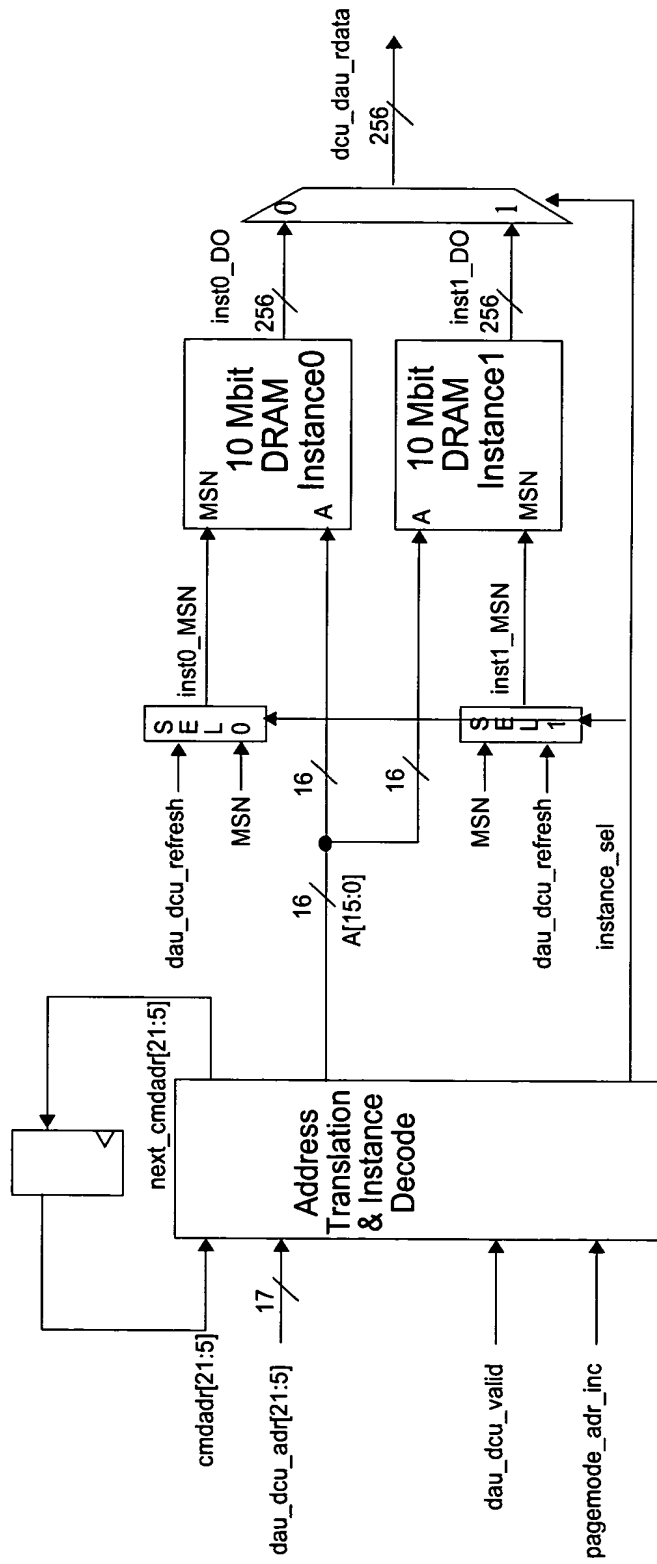


FIG. 102

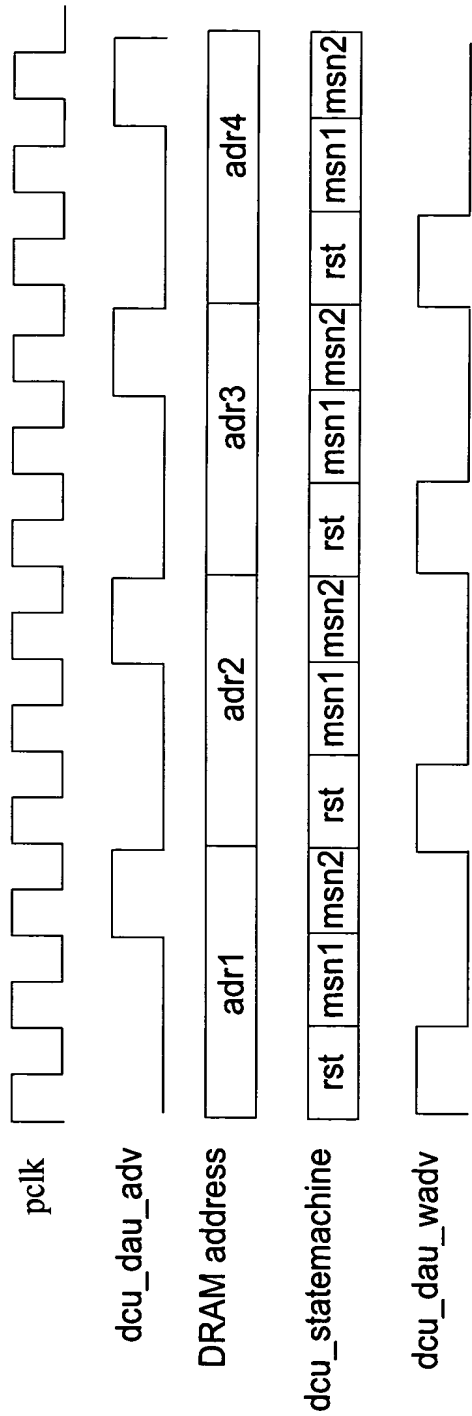


FIG. 103

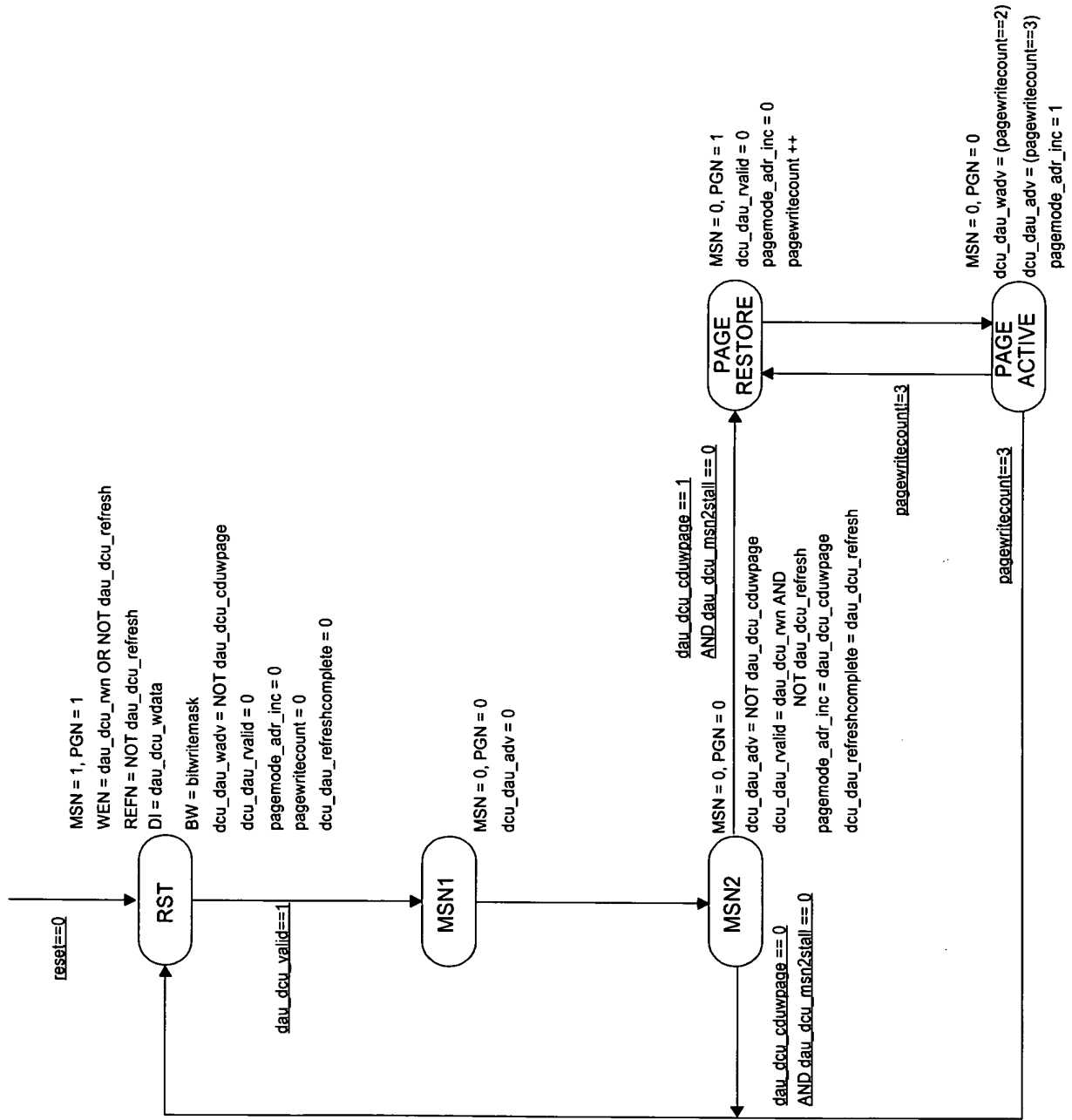


FIG. 104

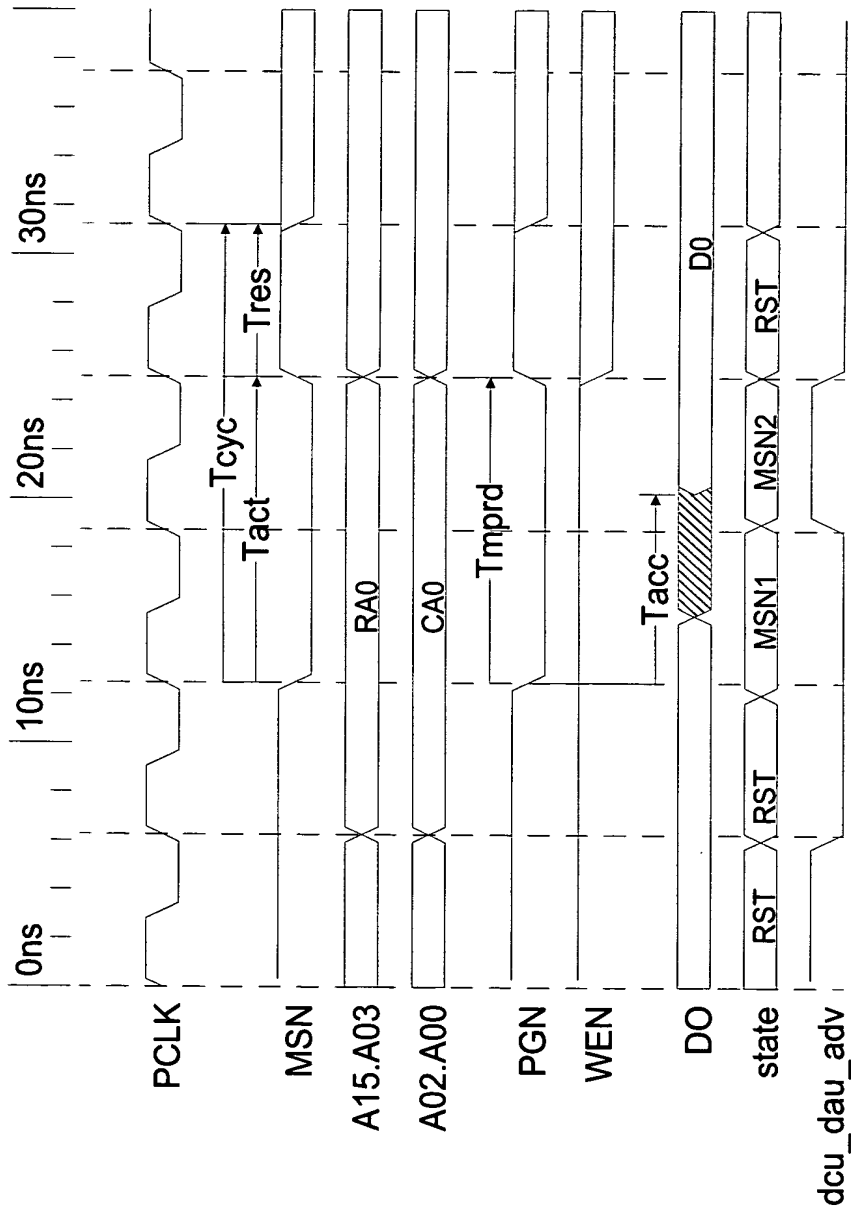


FIG. 105

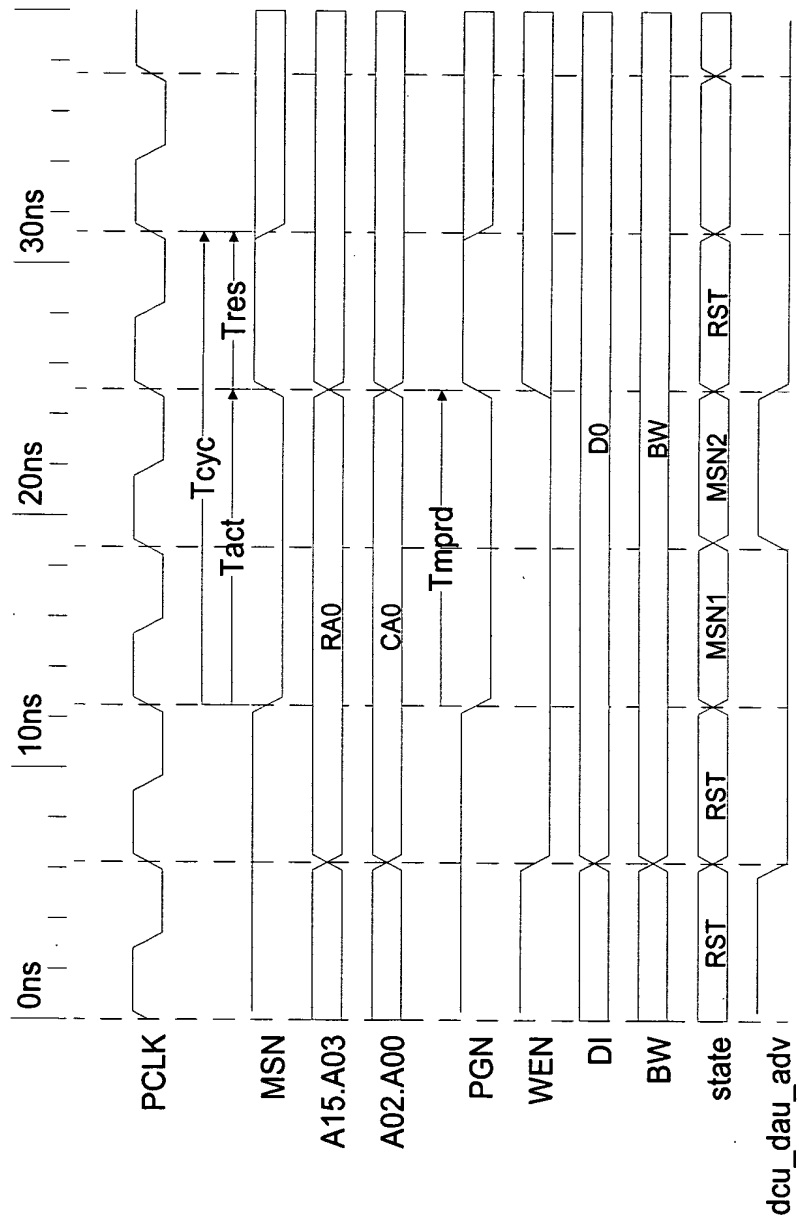


FIG. 106

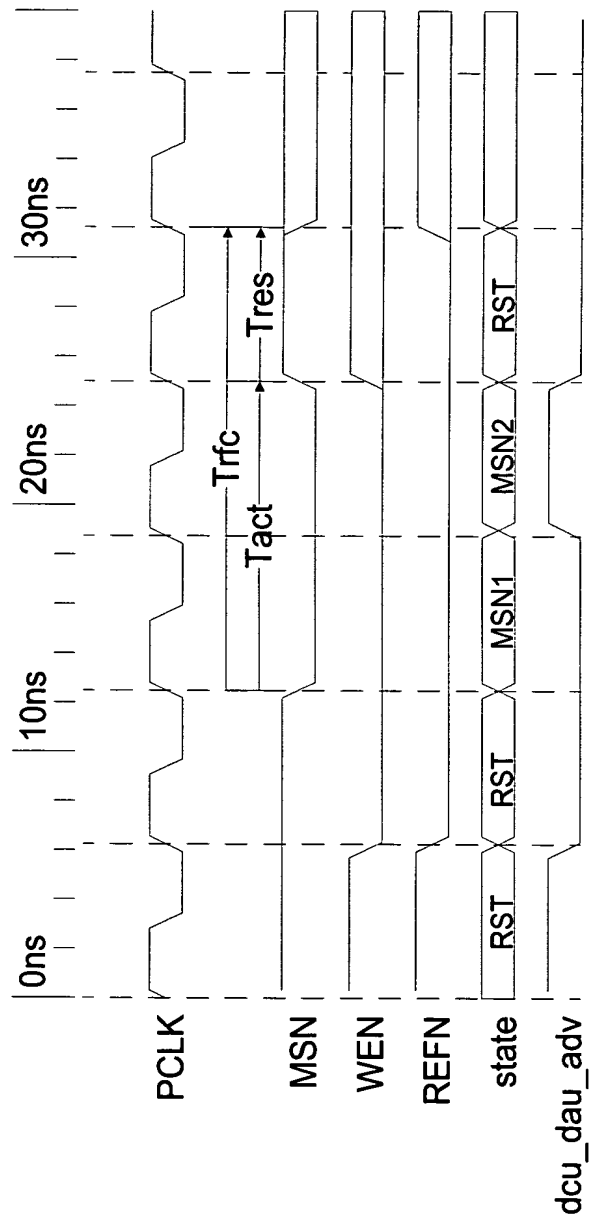


FIG. 107

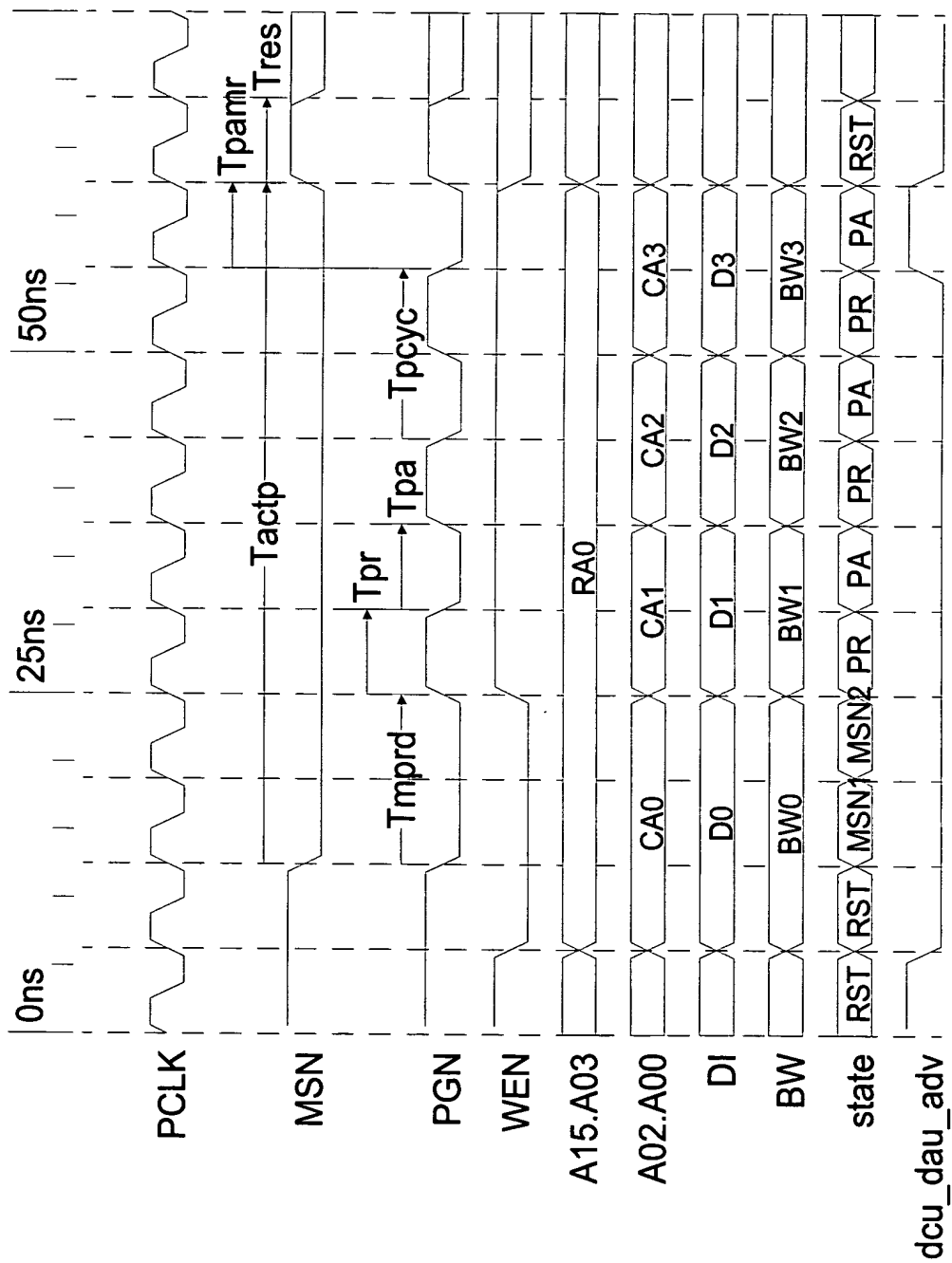


FIG. 108

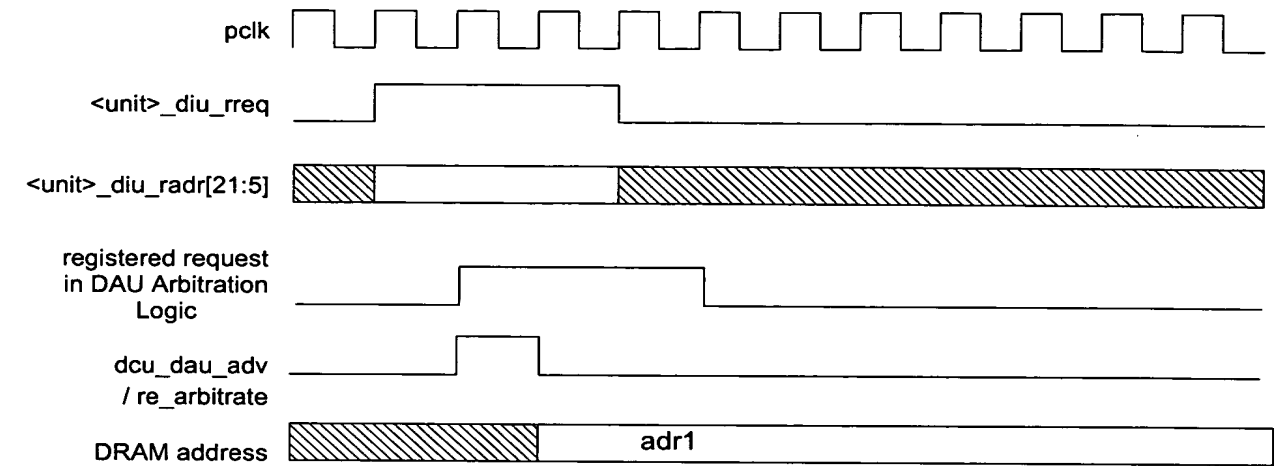
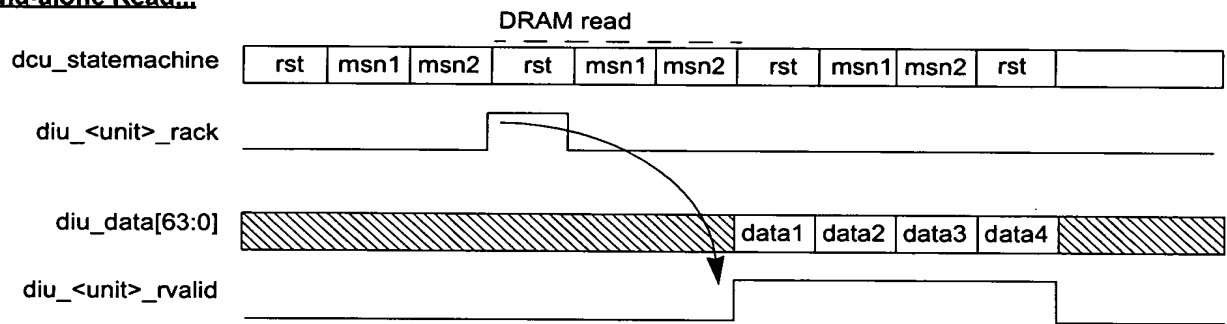
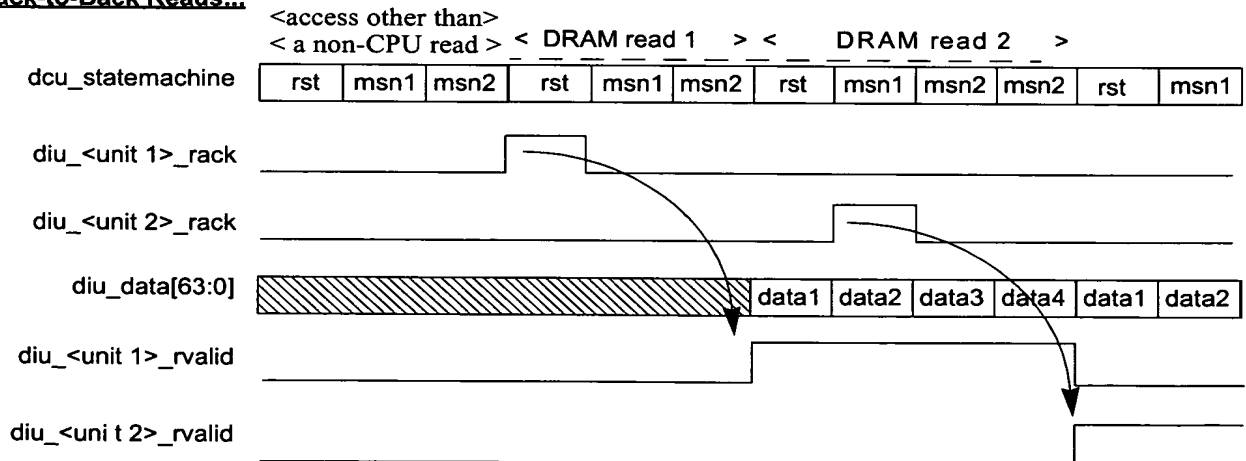
**Stand-alone Read...****Back-to-Back Reads...**

FIG. 109

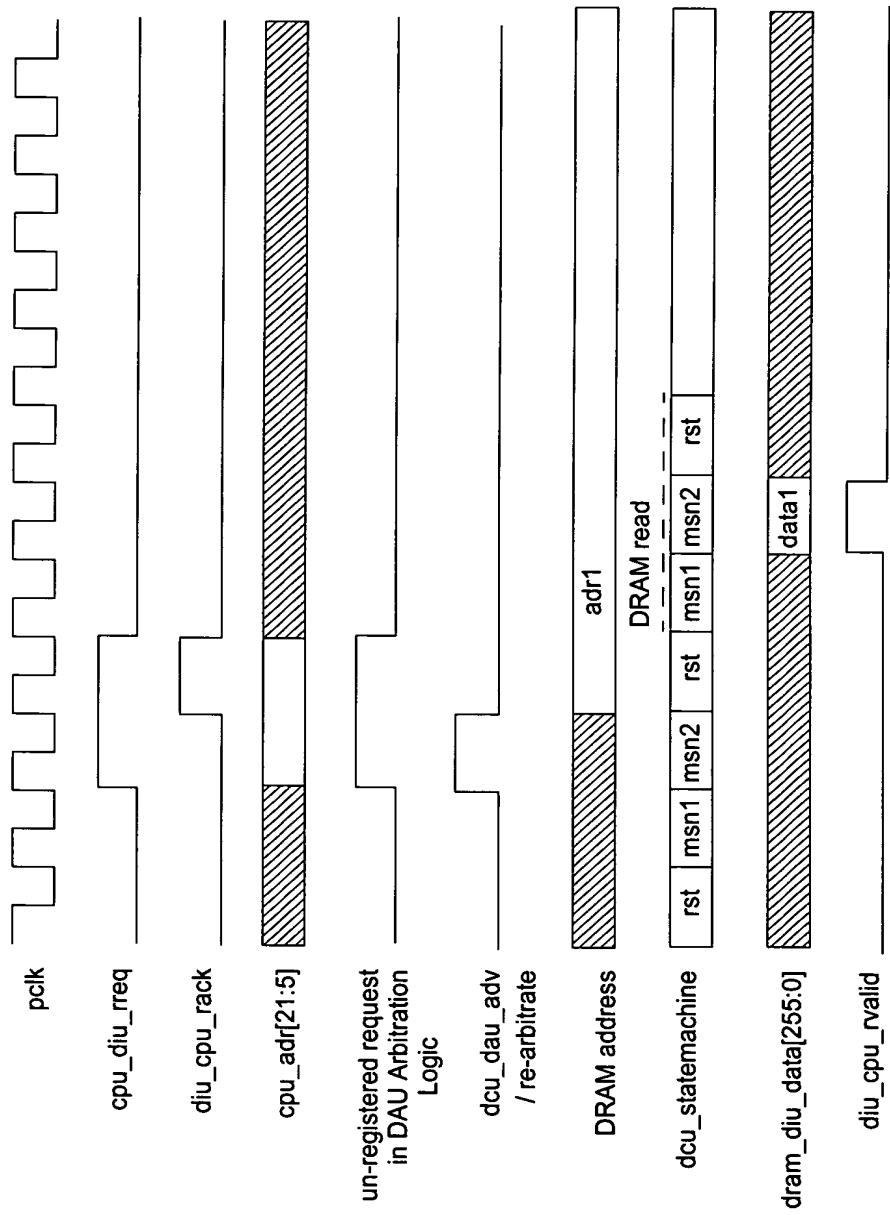


FIG. 110

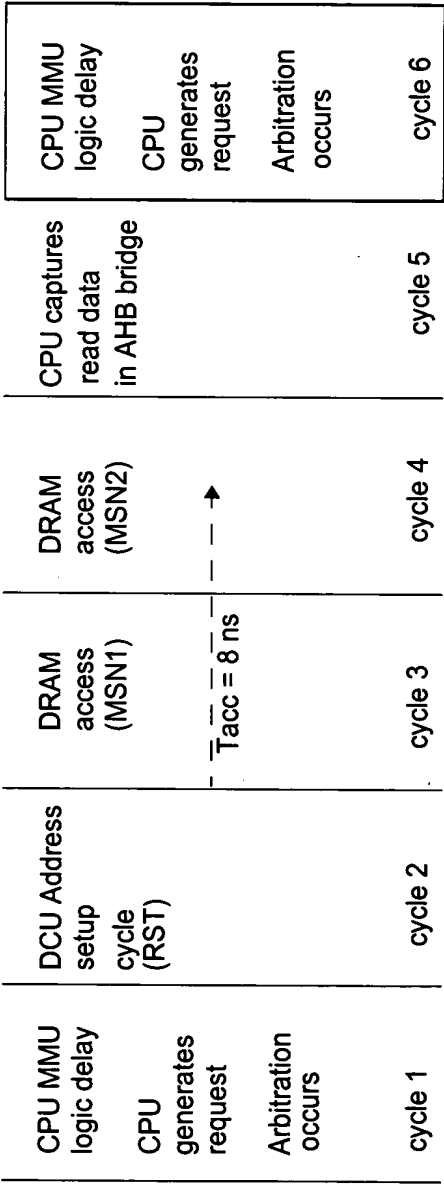


FIG. 111

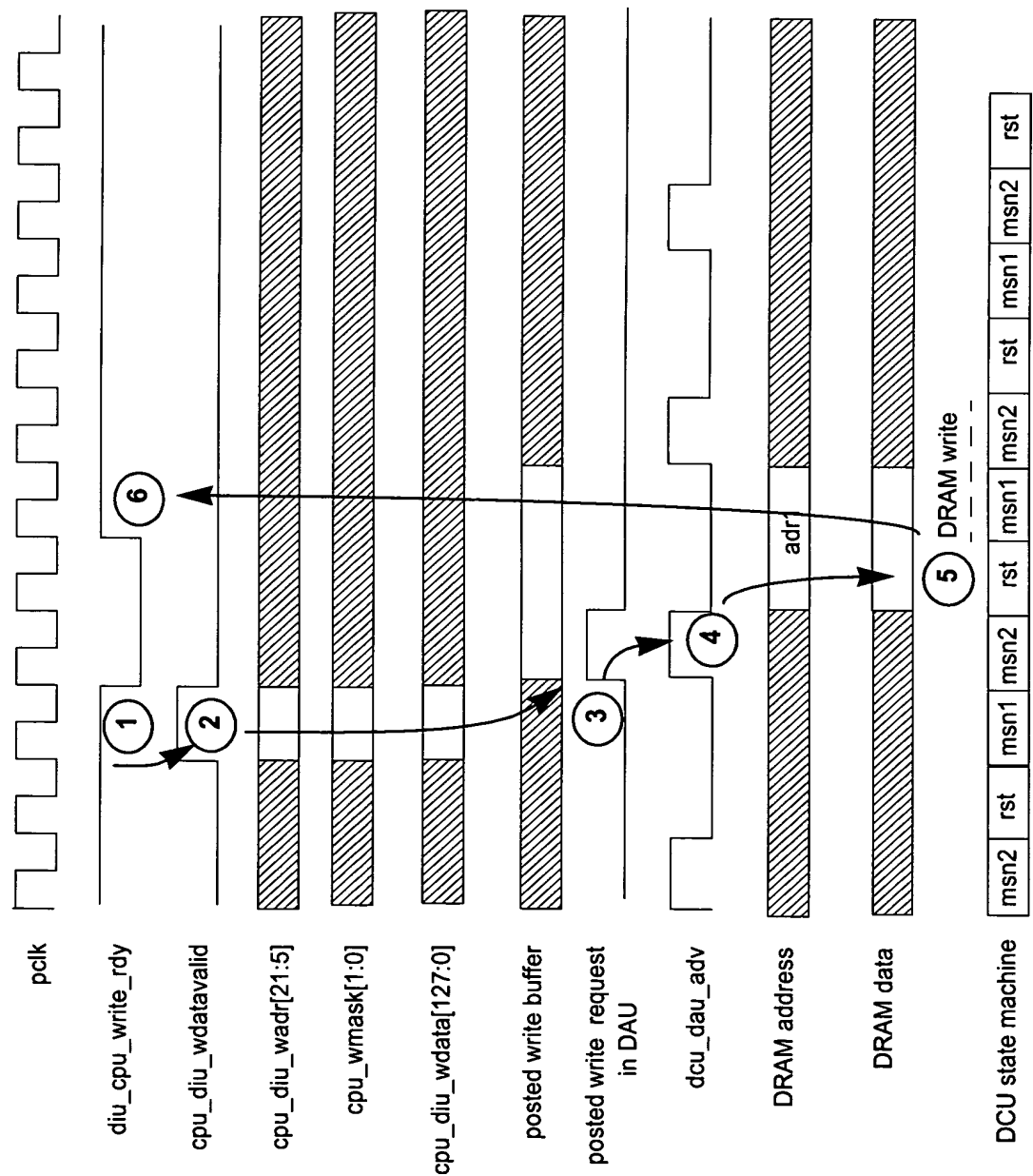


FIG. 112

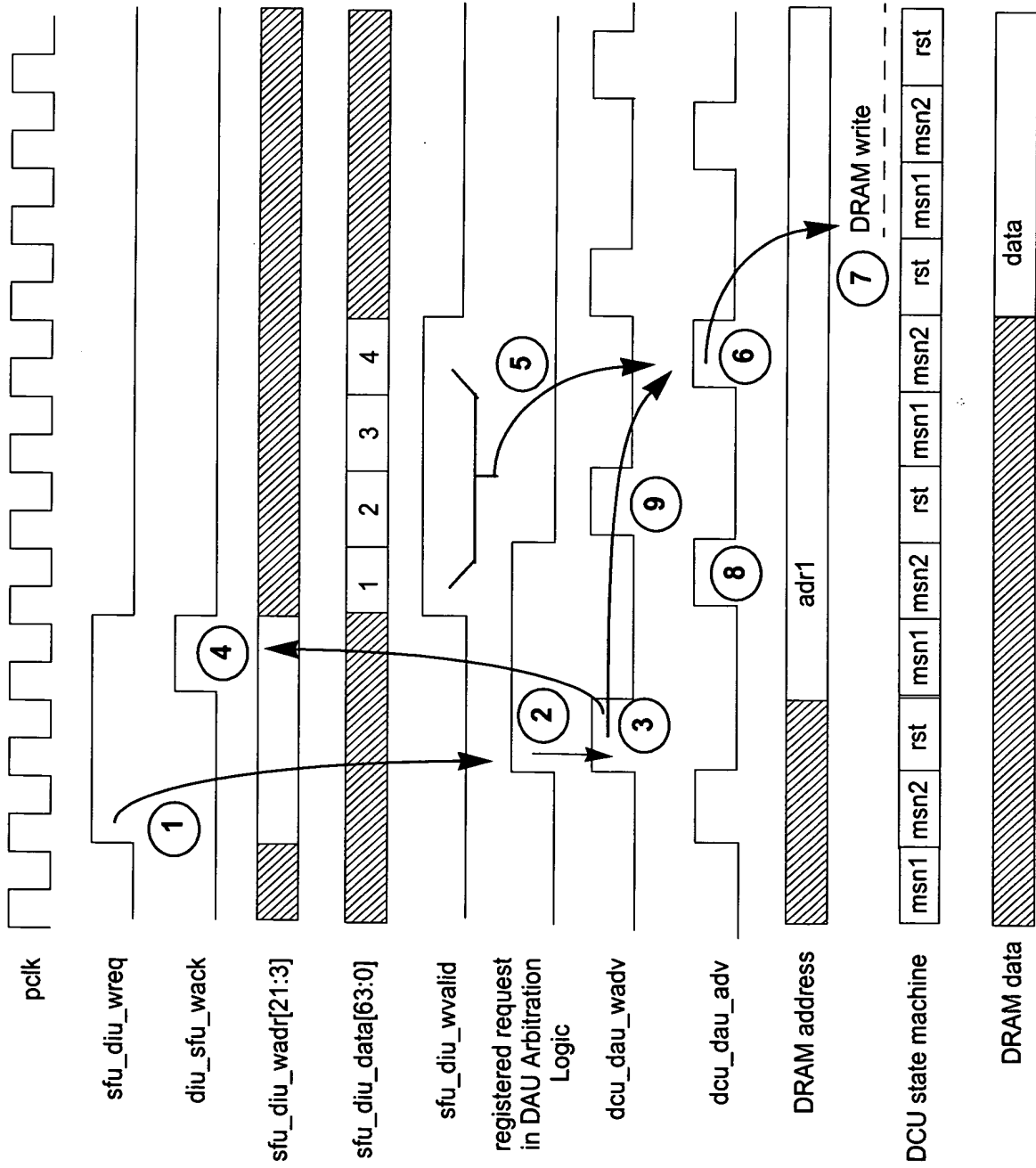


FIG. 113

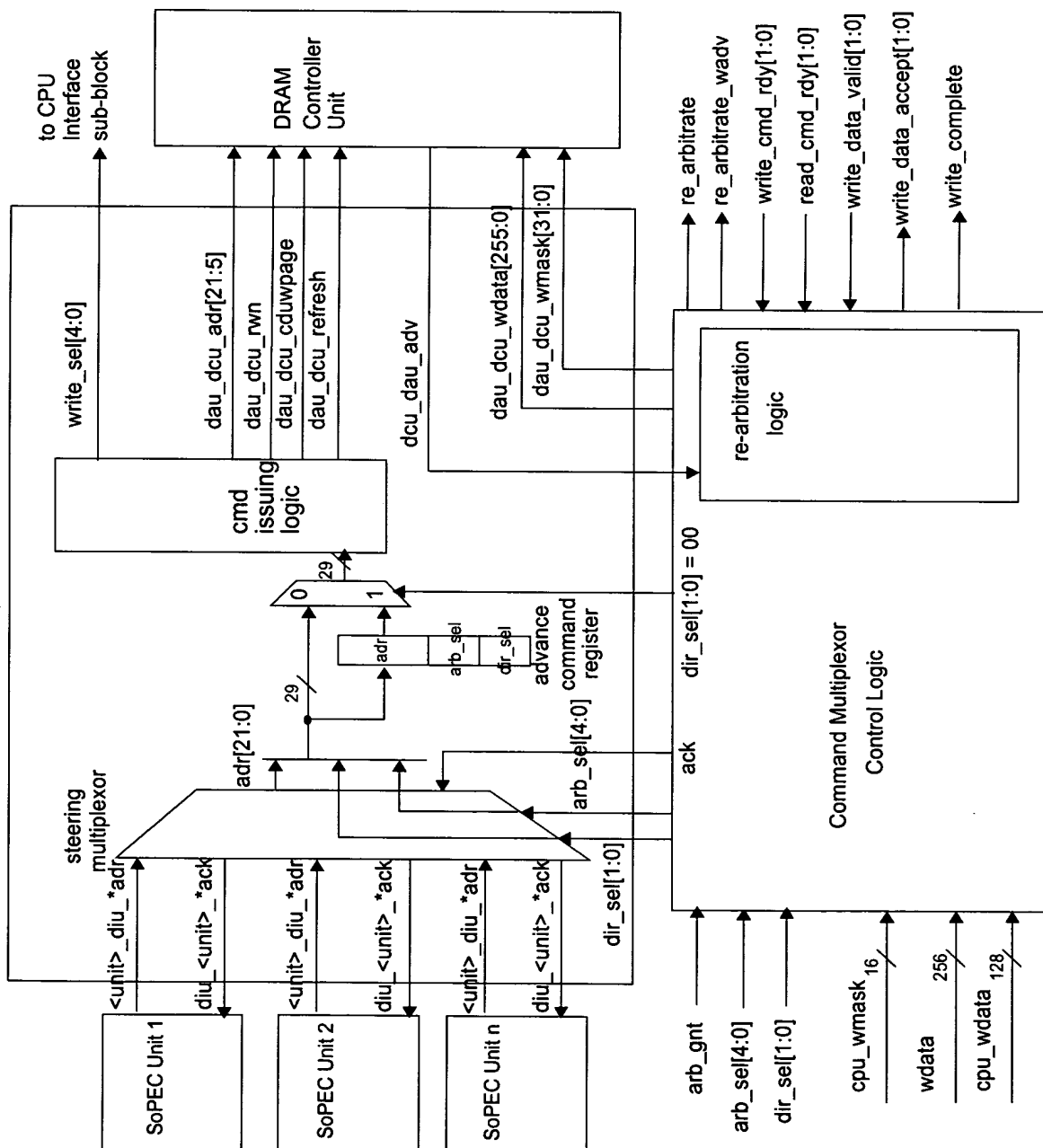


FIG. 115

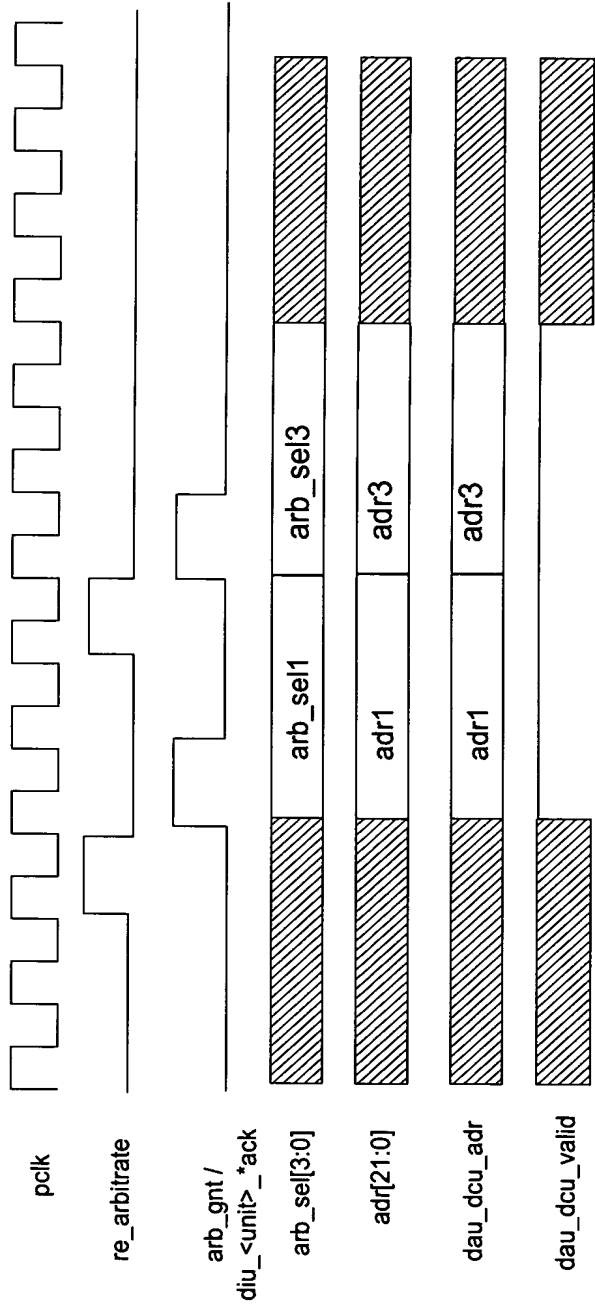


FIG. 116

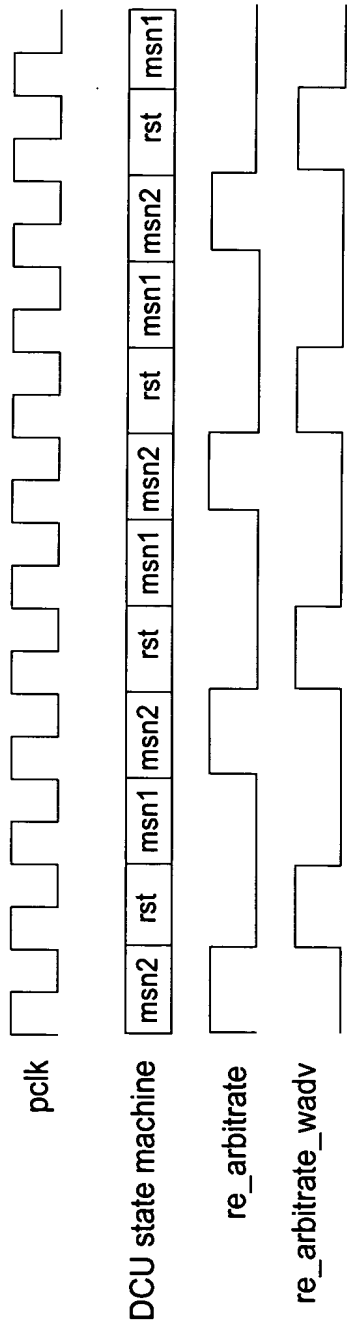


FIG. 117

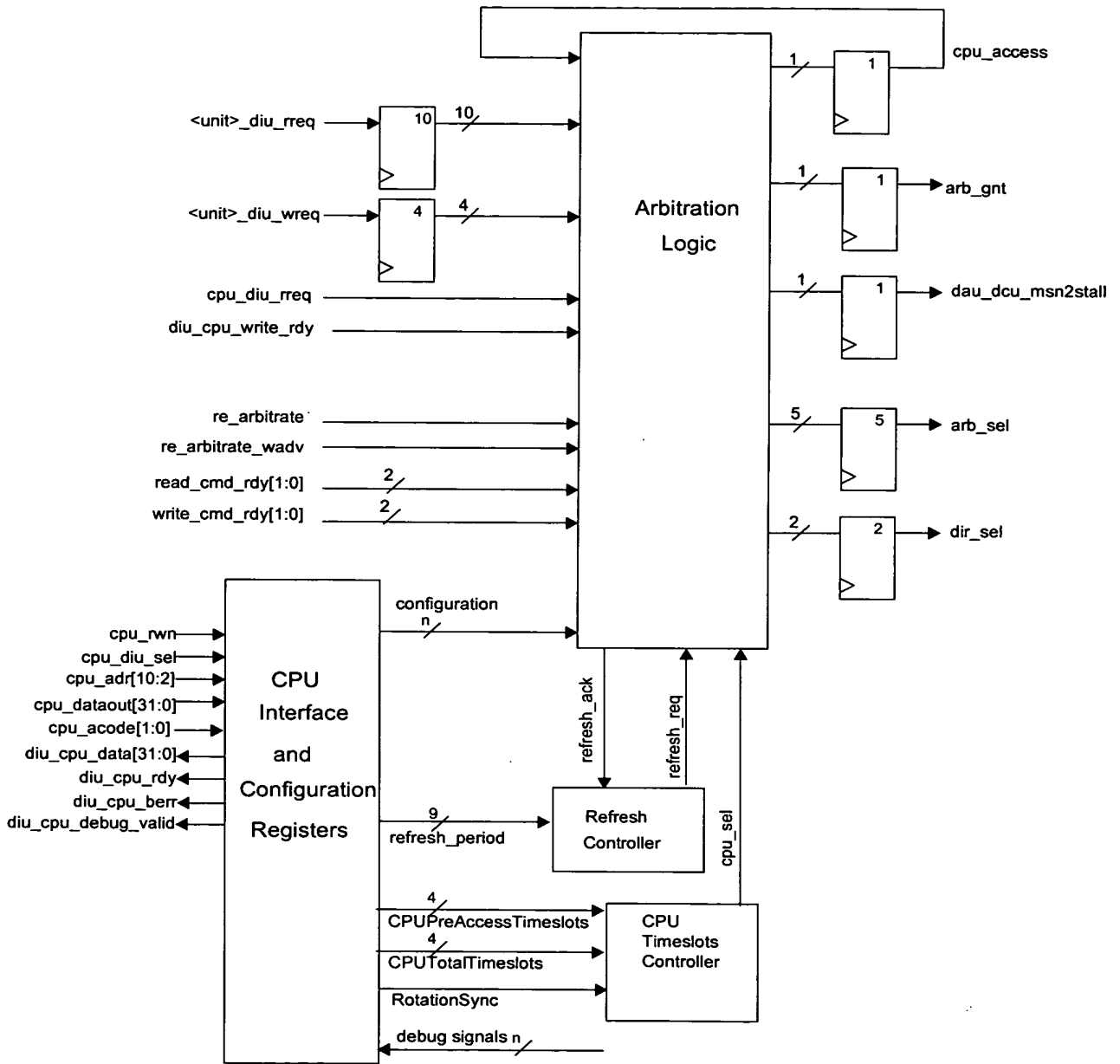


FIG. 118

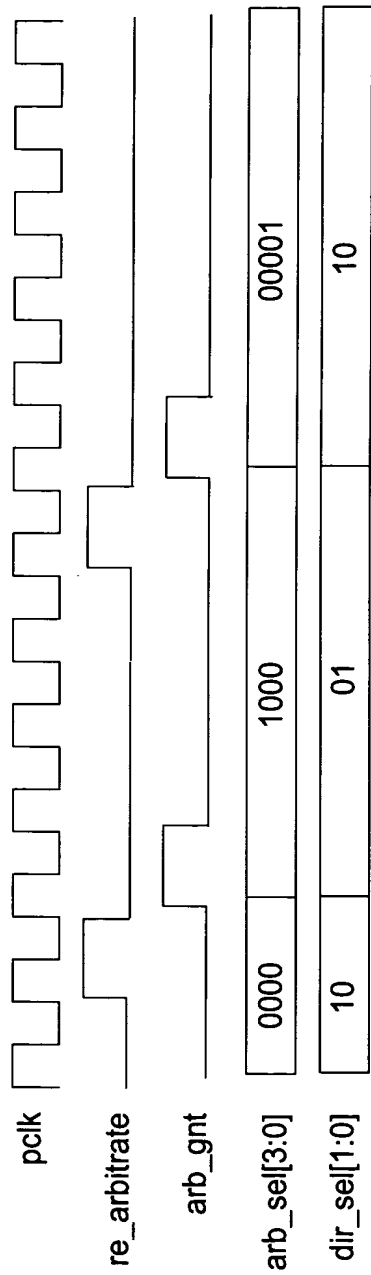


FIG. 119

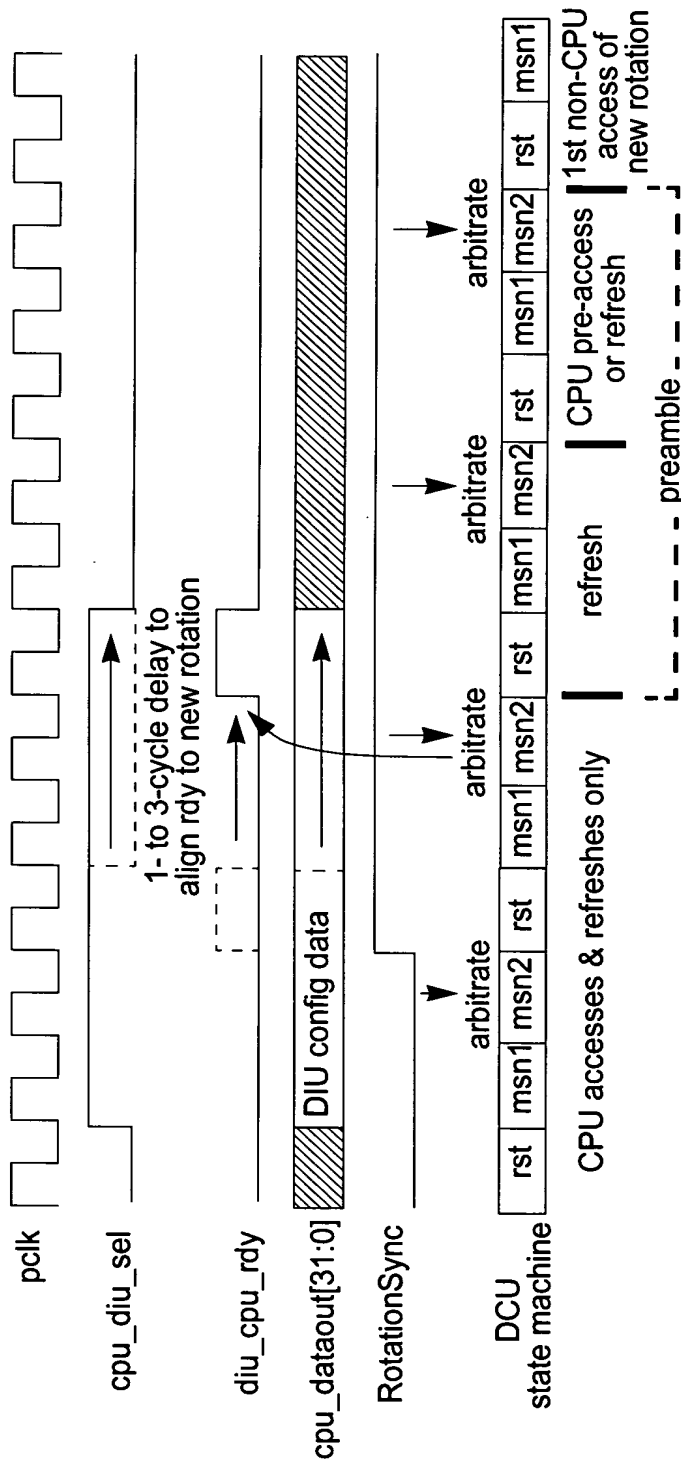


FIG. 120

106/331

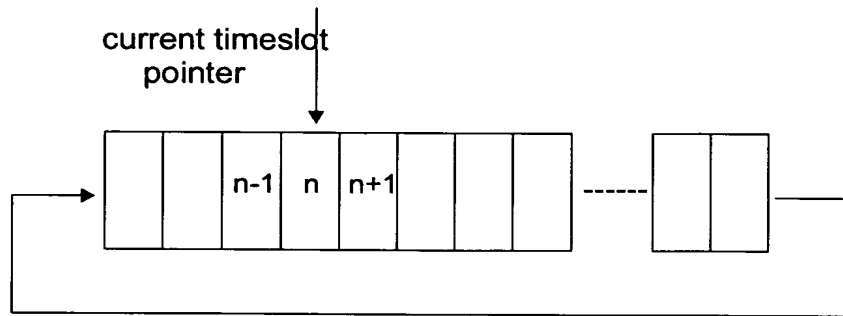


FIG. 121

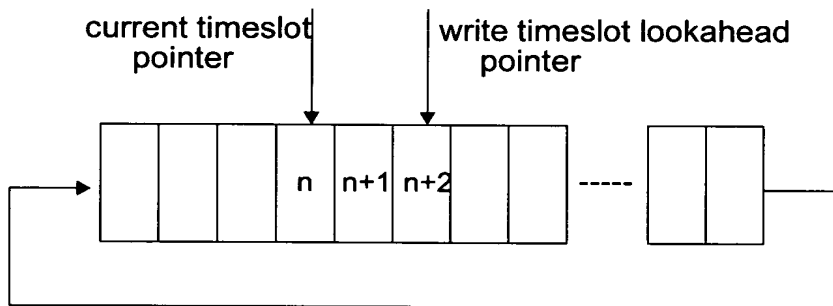


FIG. 122

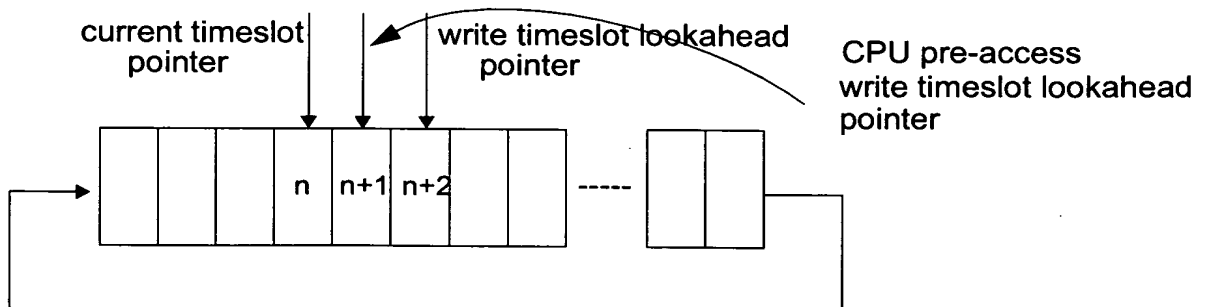


FIG. 123

107/331

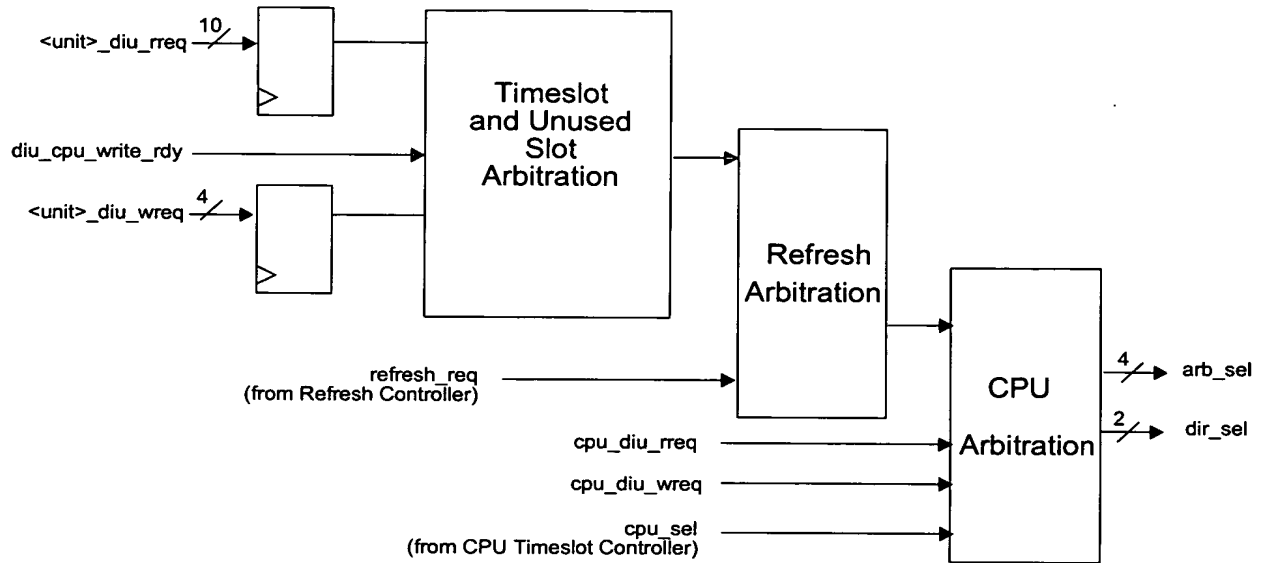


FIG. 124

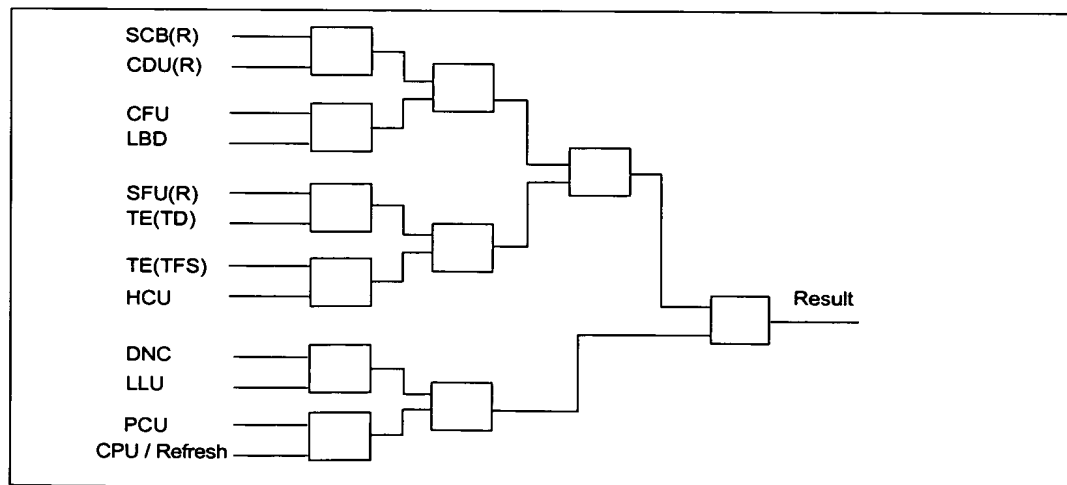


FIG. 125

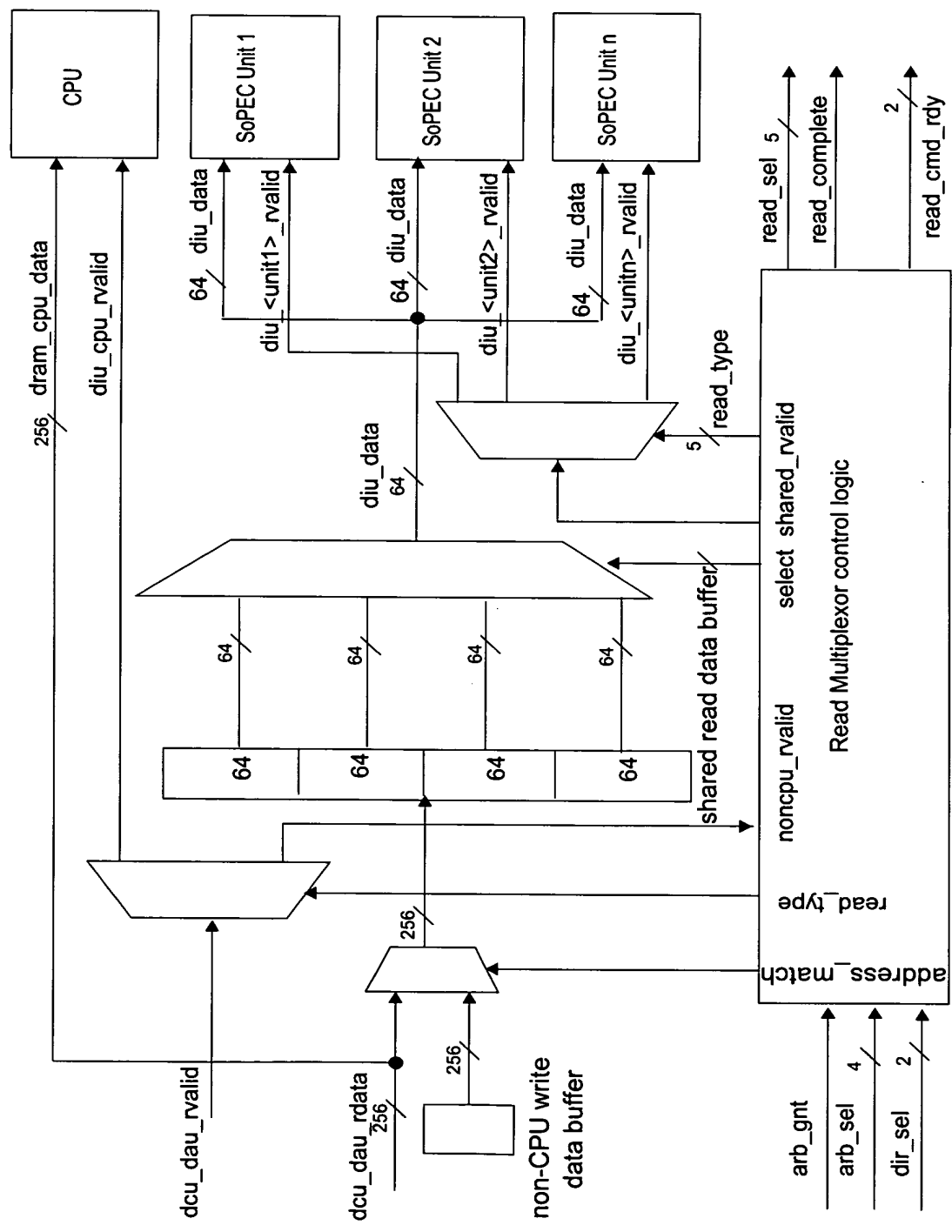


FIG. 126

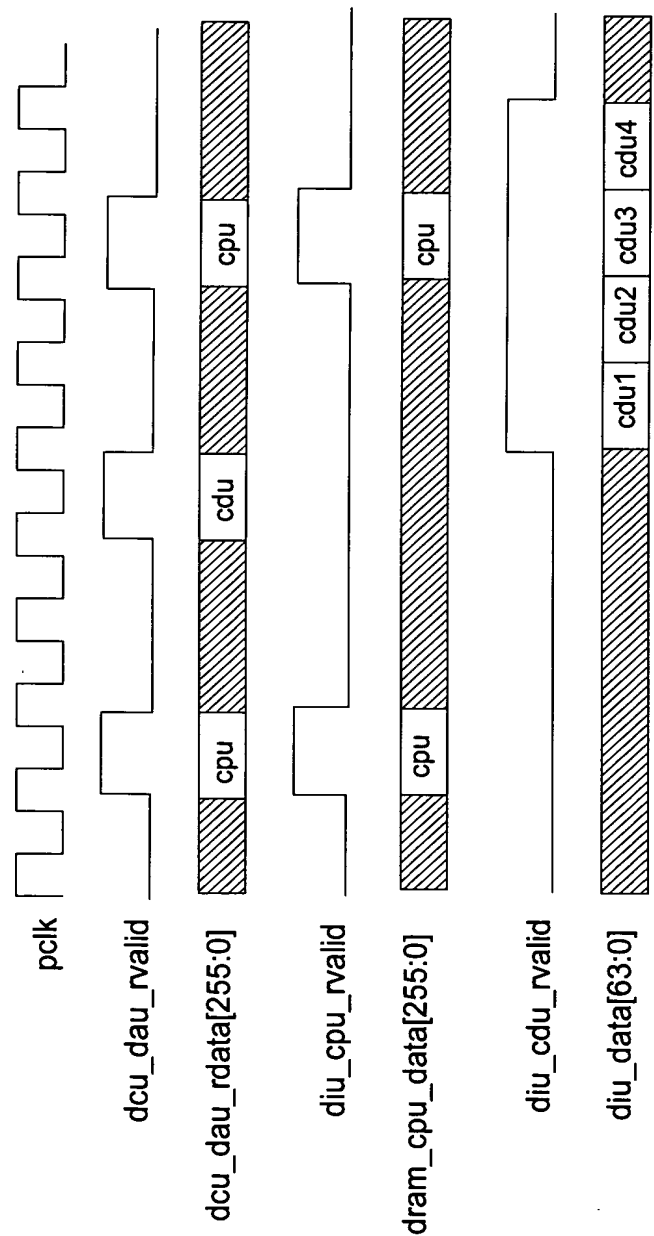


FIG. 127

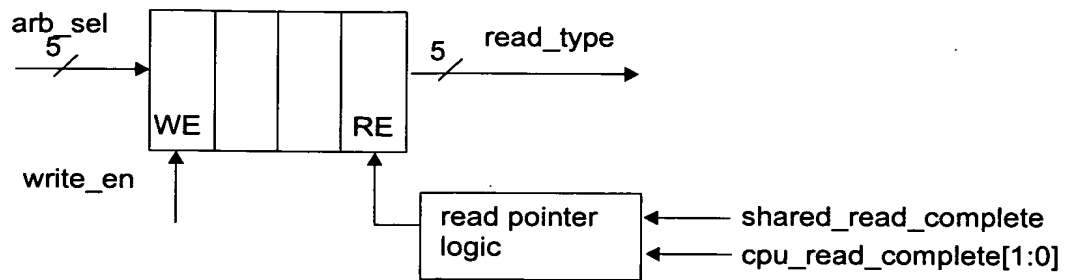


FIG. 128

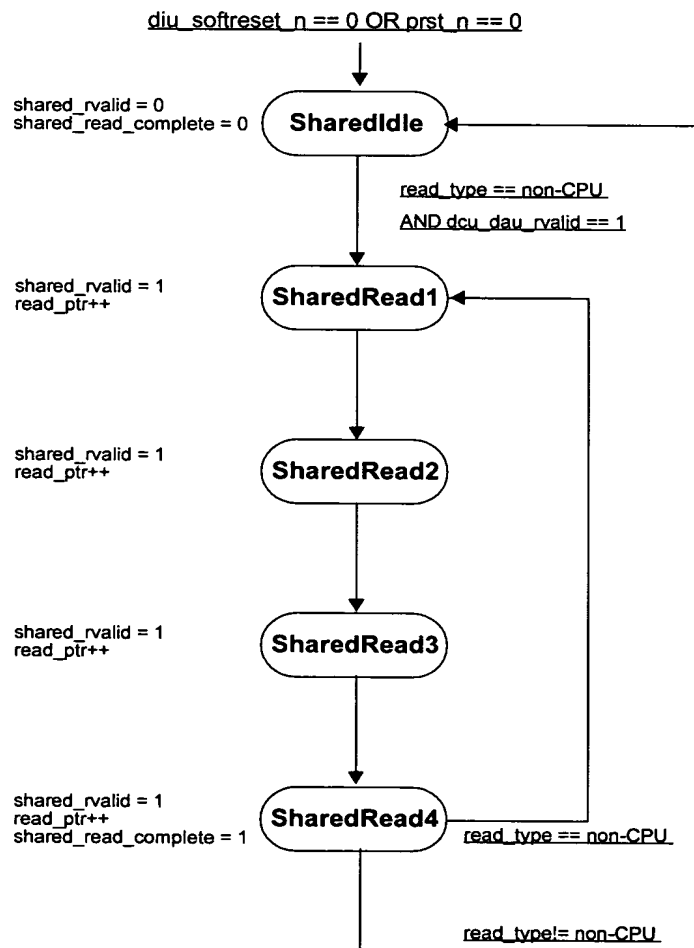


FIG. 129

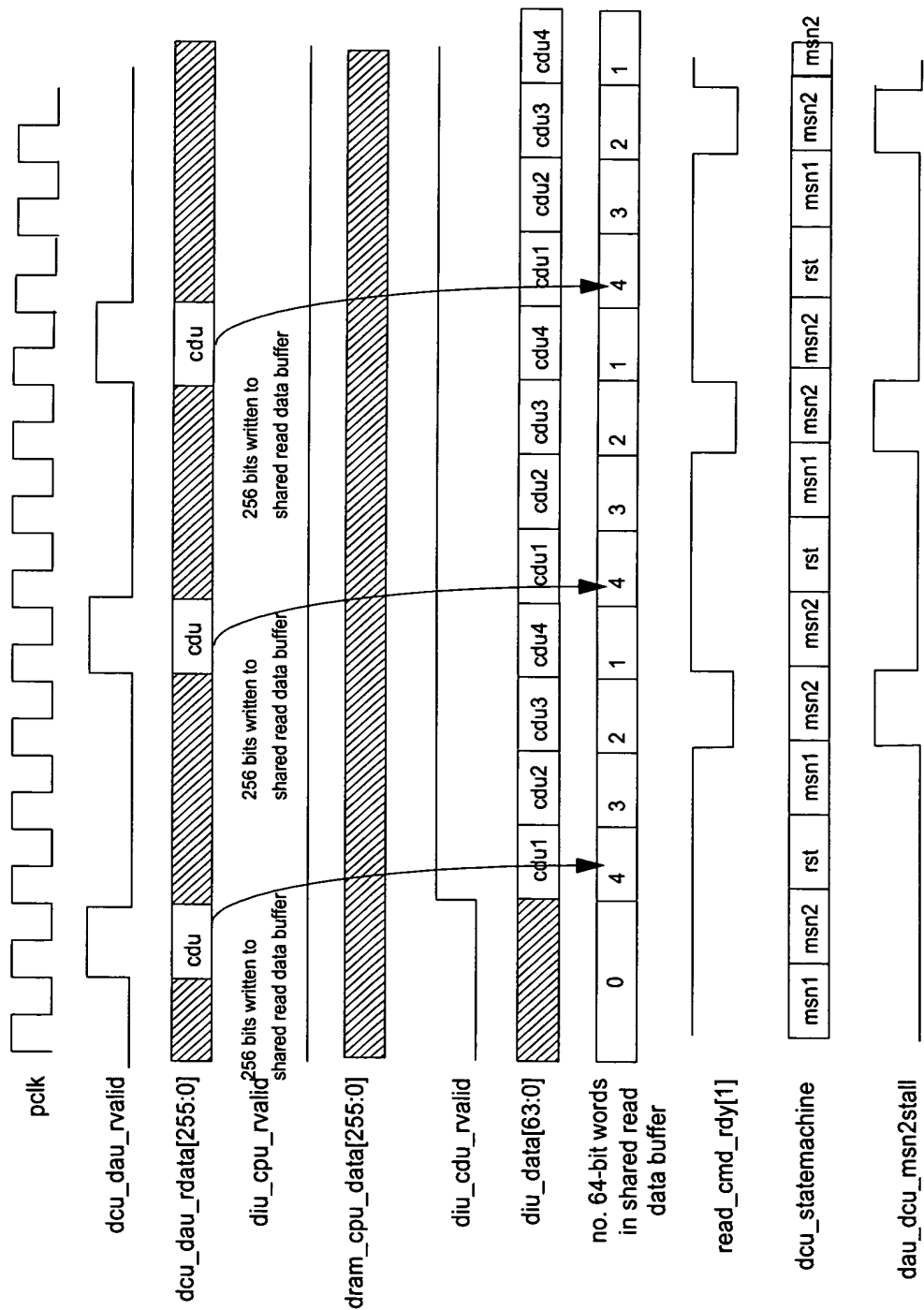


FIG. 130

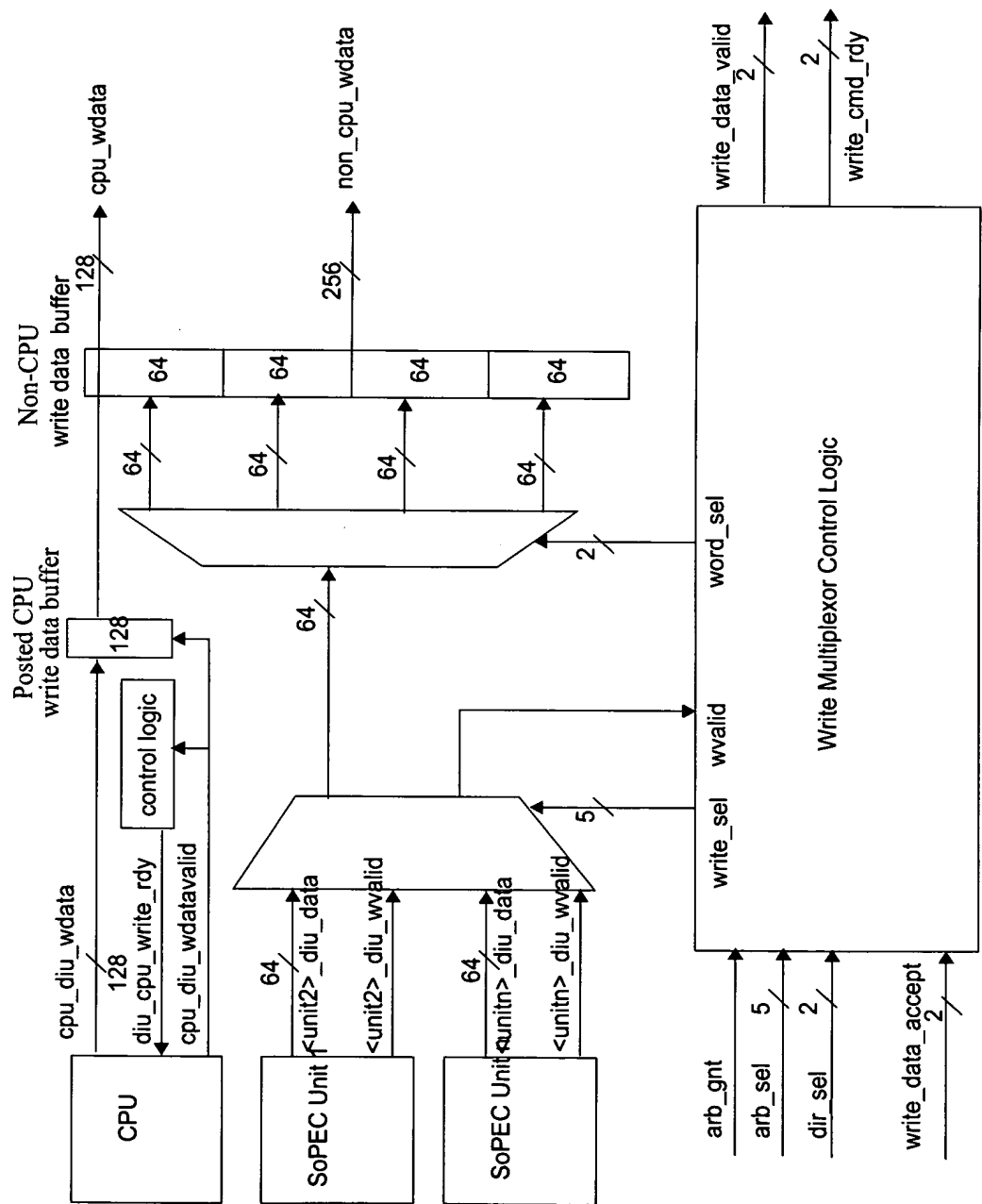


FIG. 131

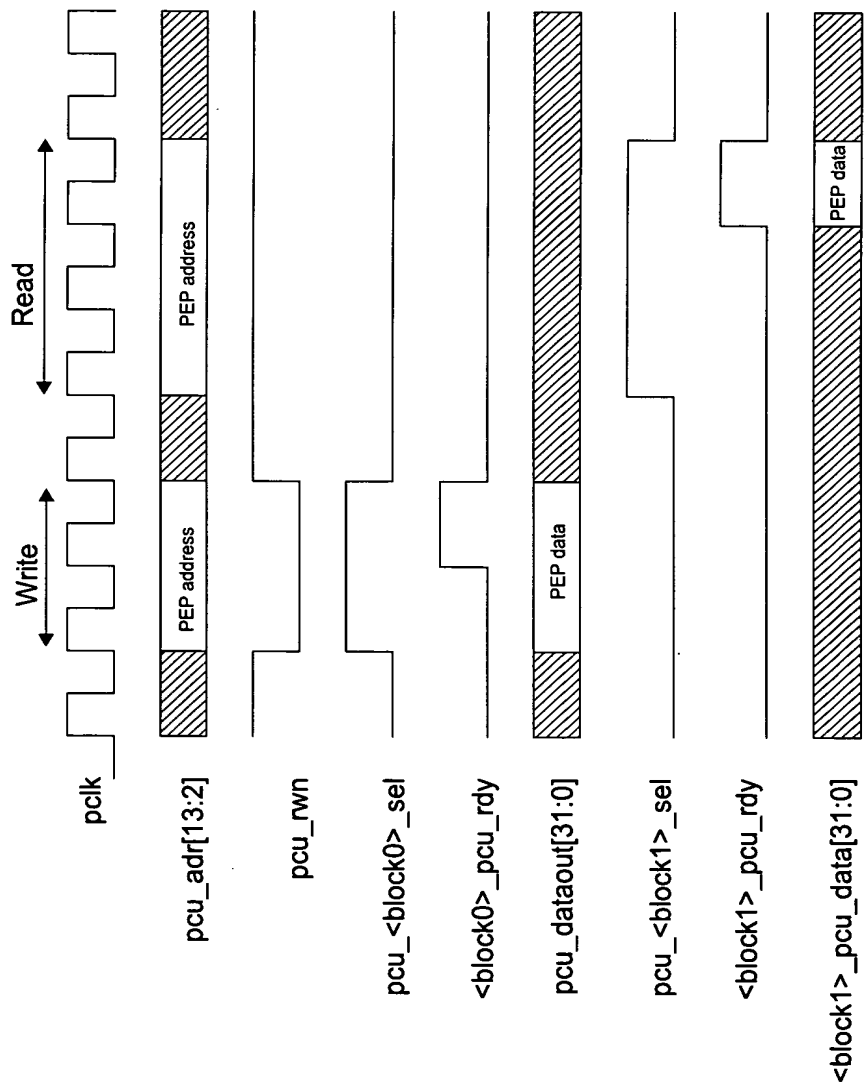


FIG. 133

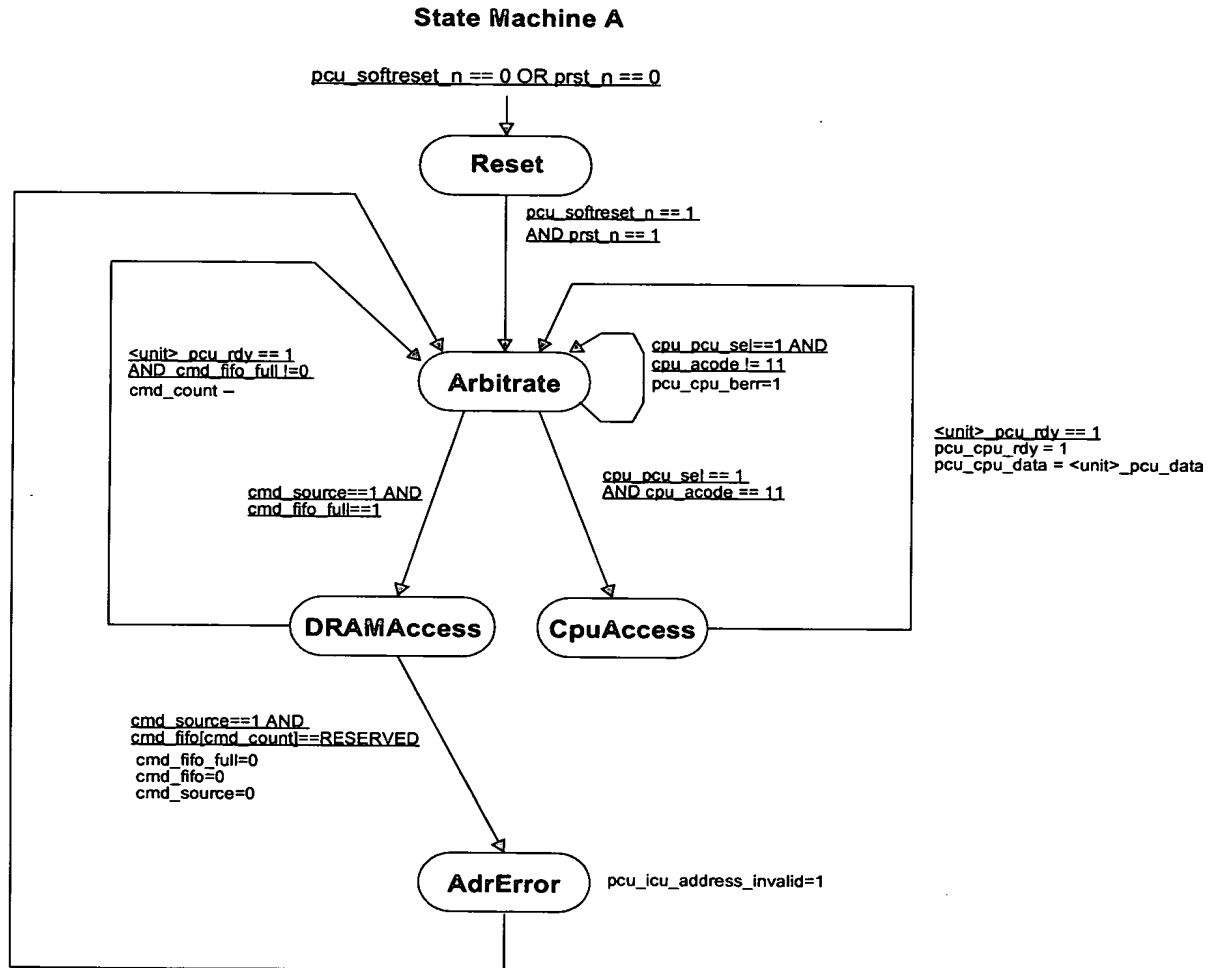


FIG. 134

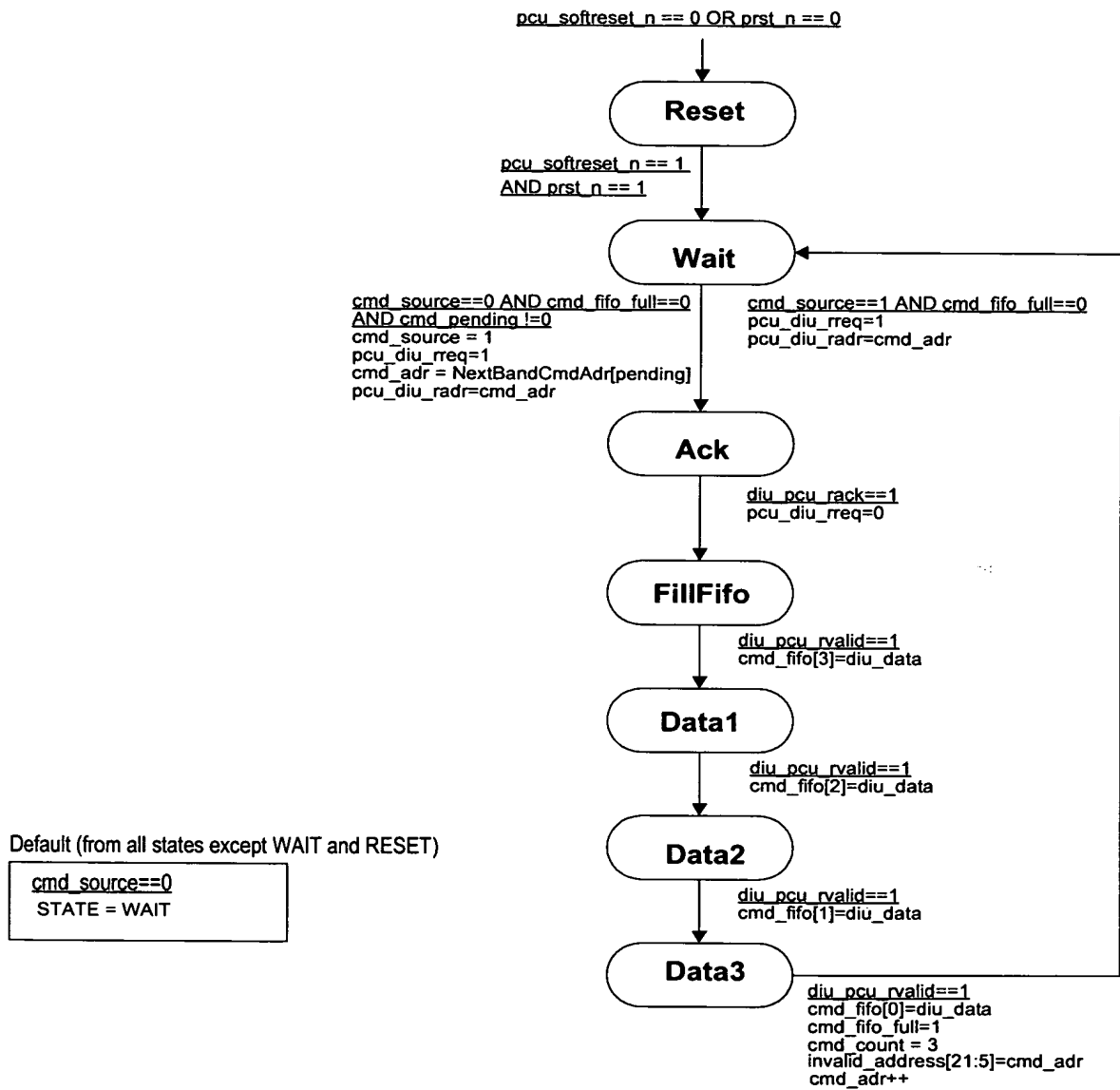
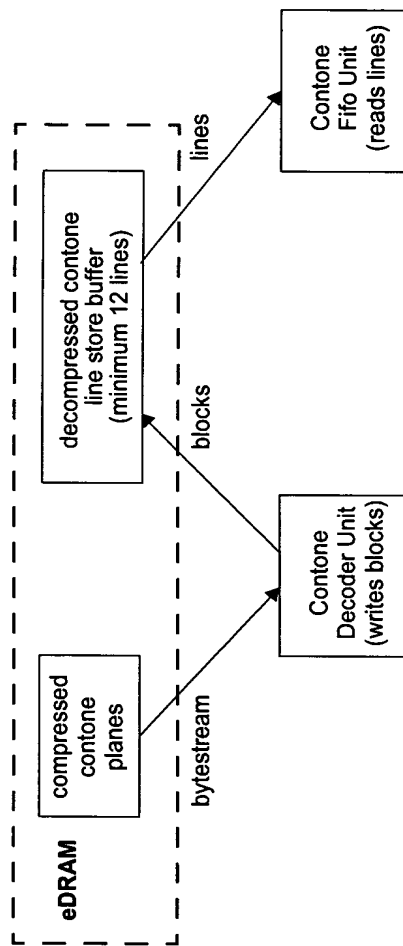
State Machine B

FIG. 135

*FIG. 136*

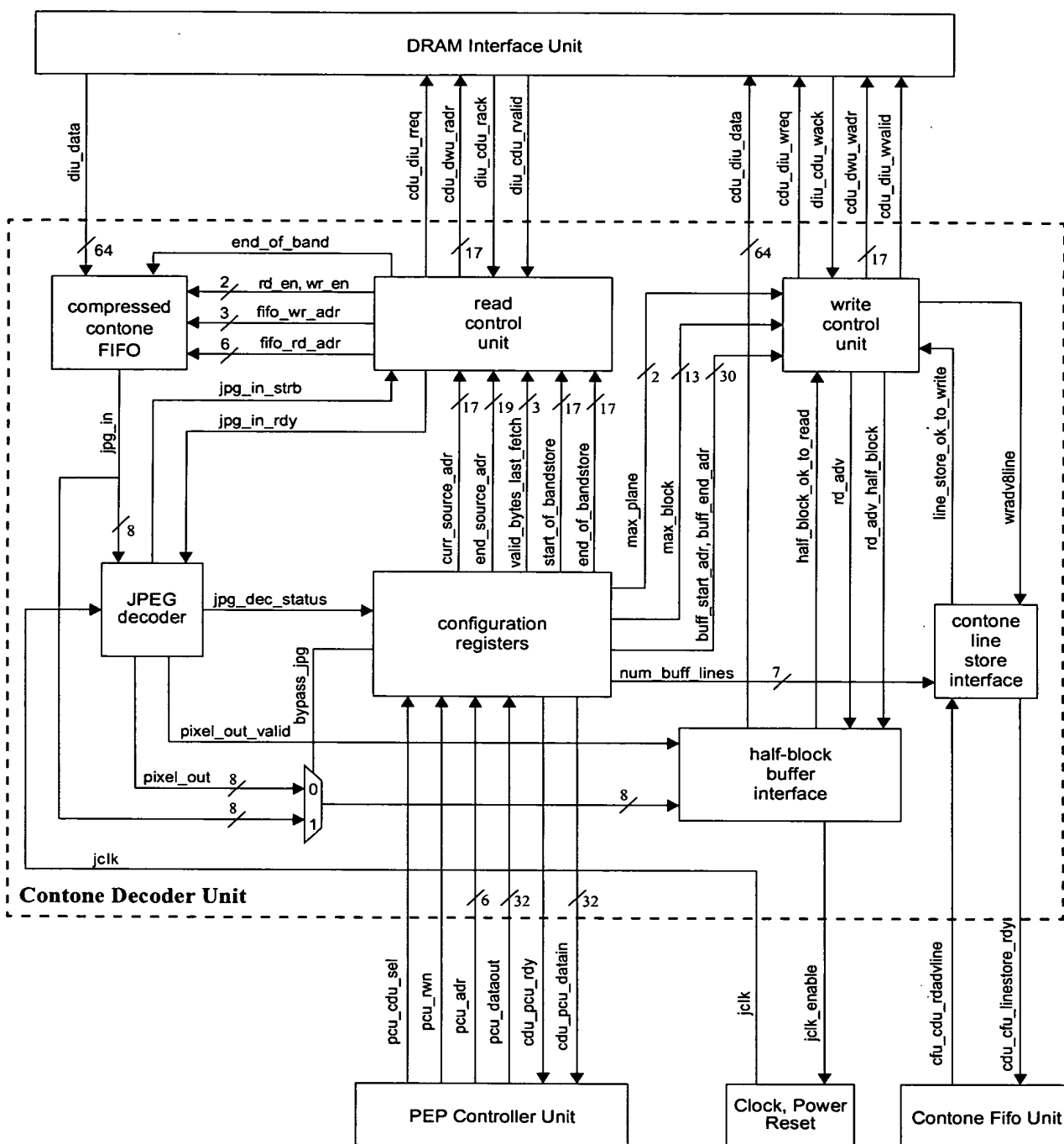


FIG. 137

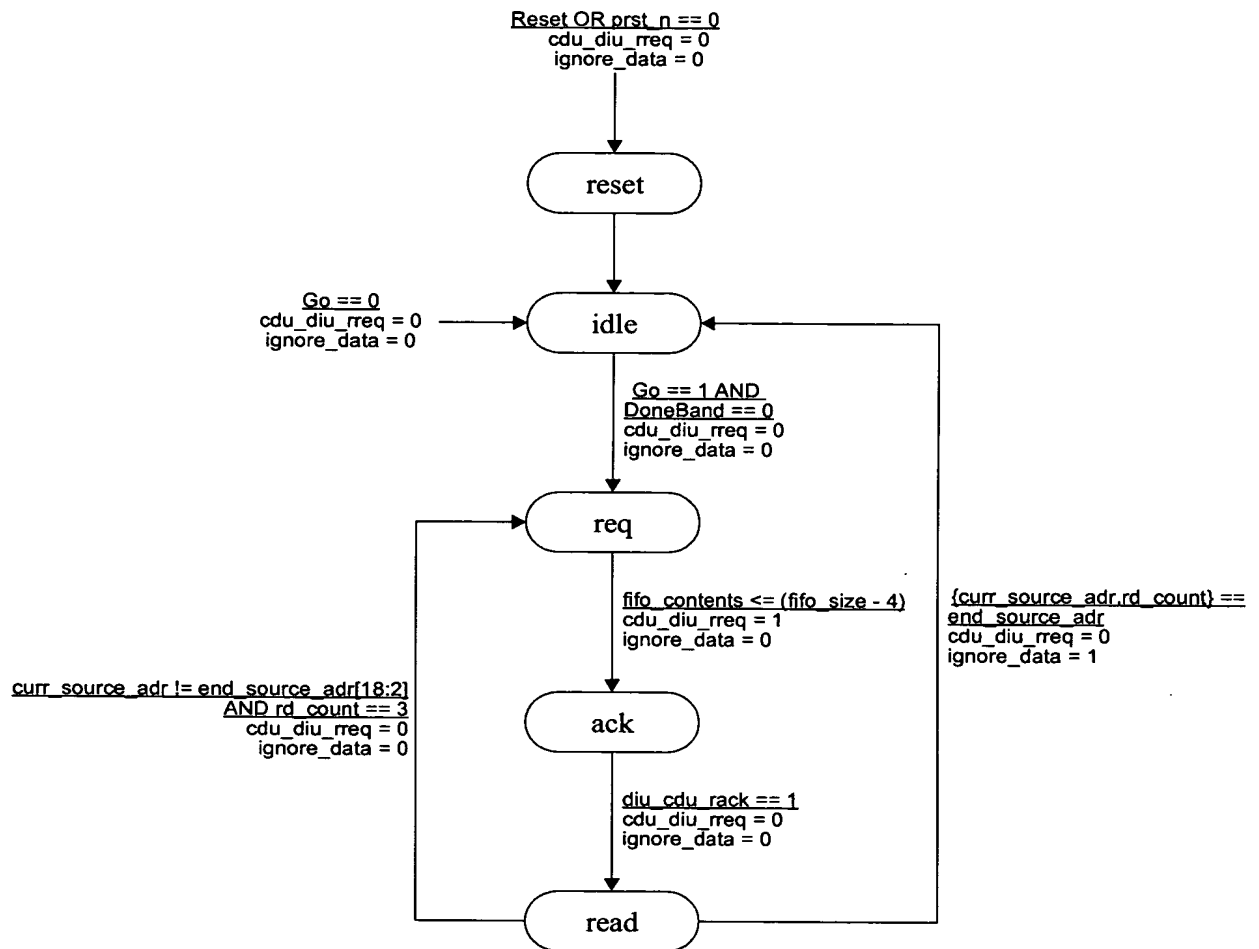


FIG. 138

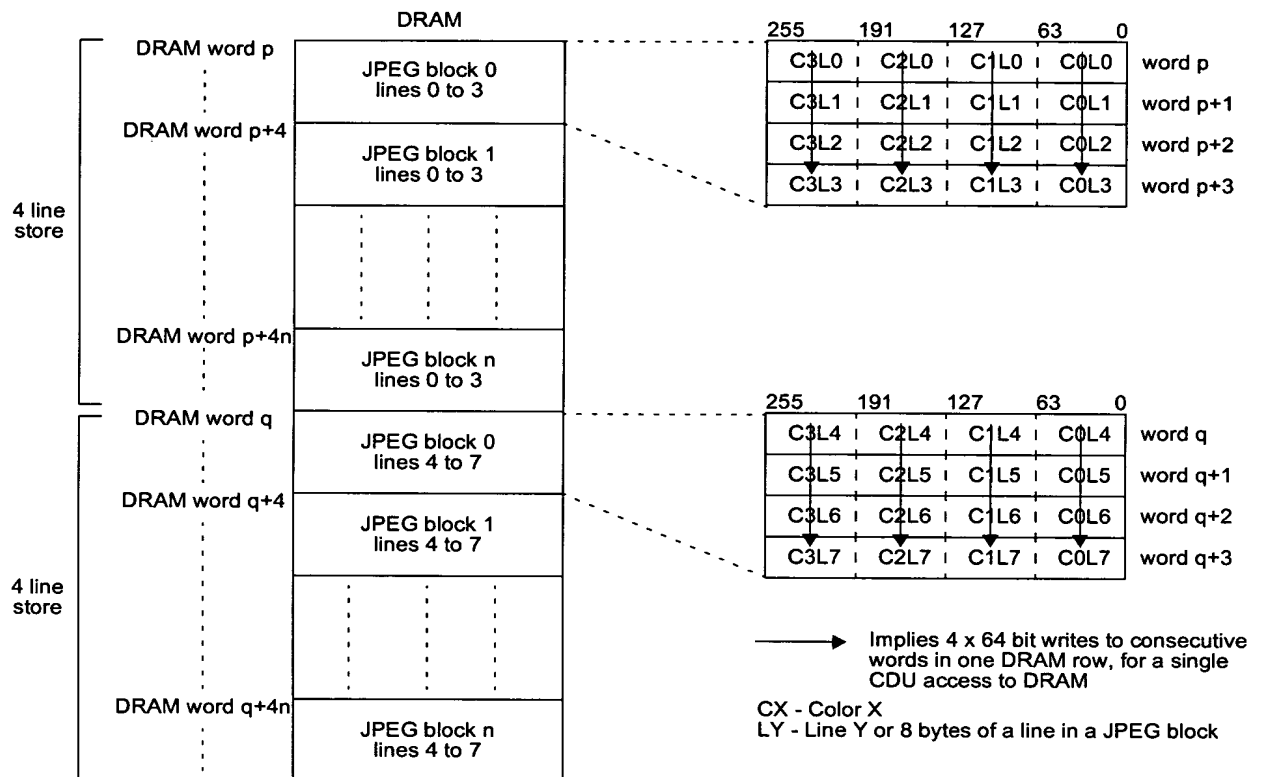


FIG. 139

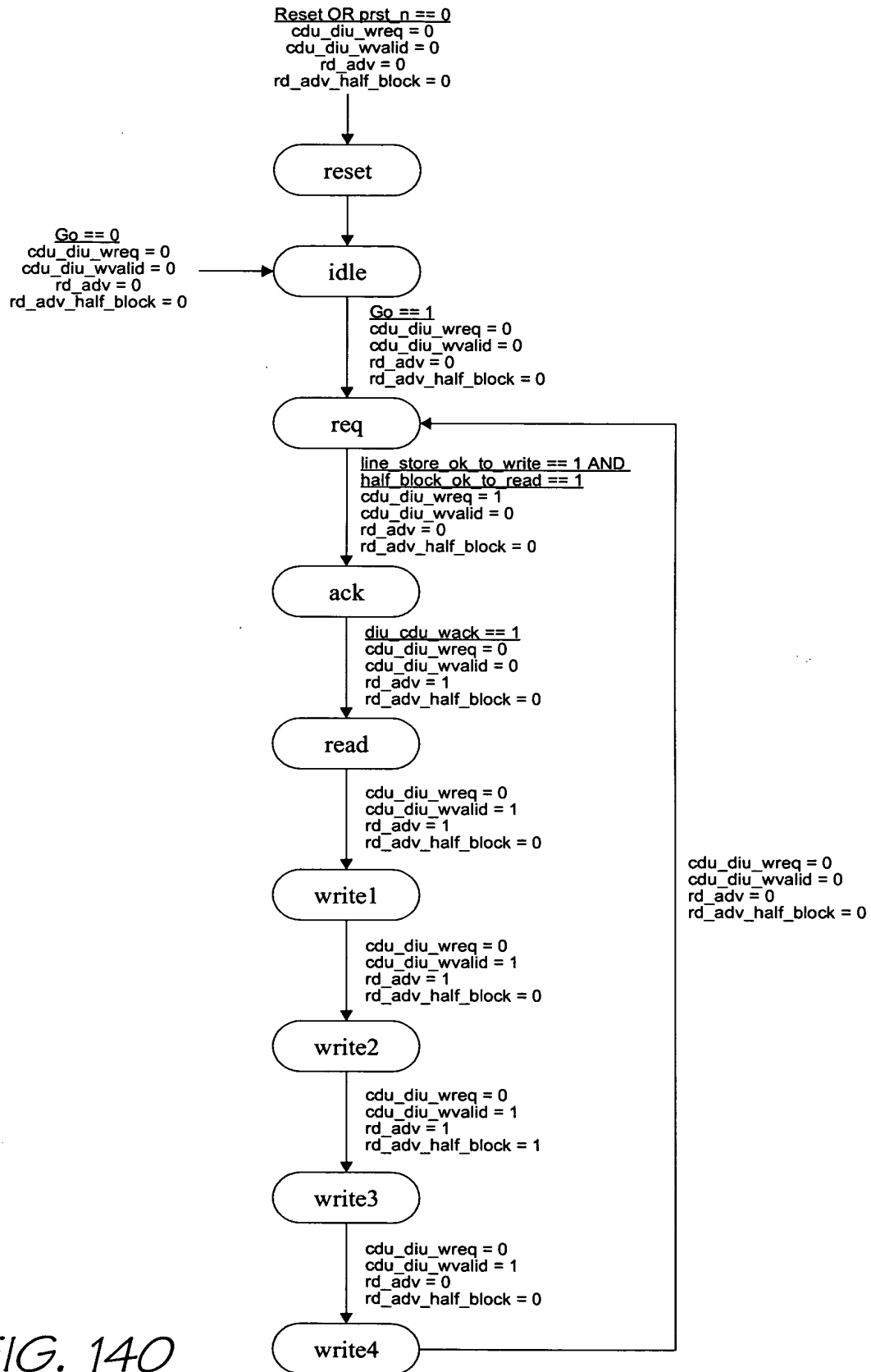


FIG. 140

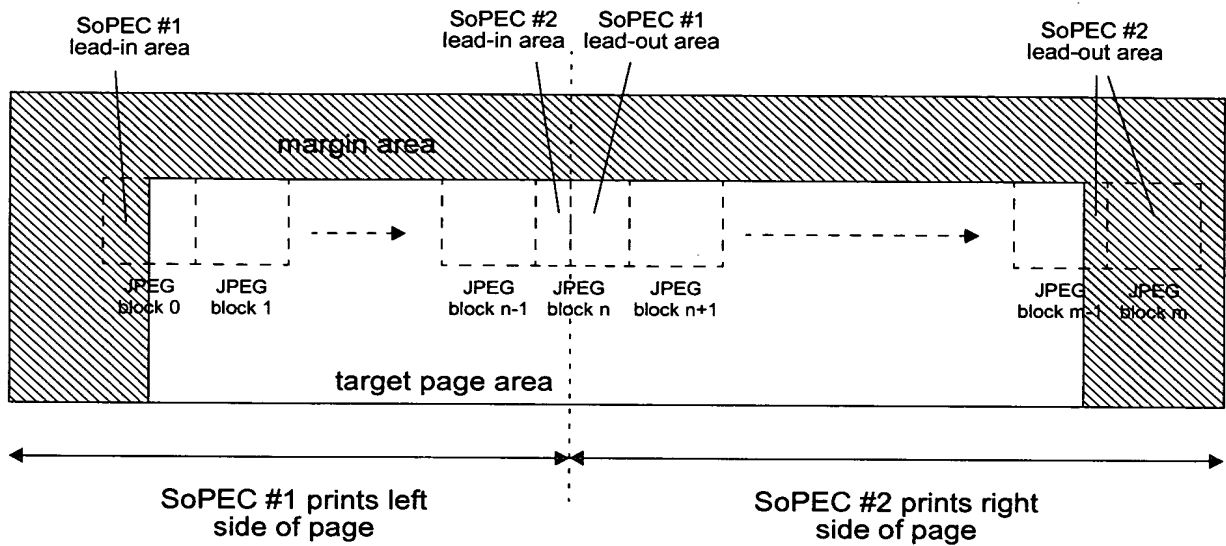


FIG. 141

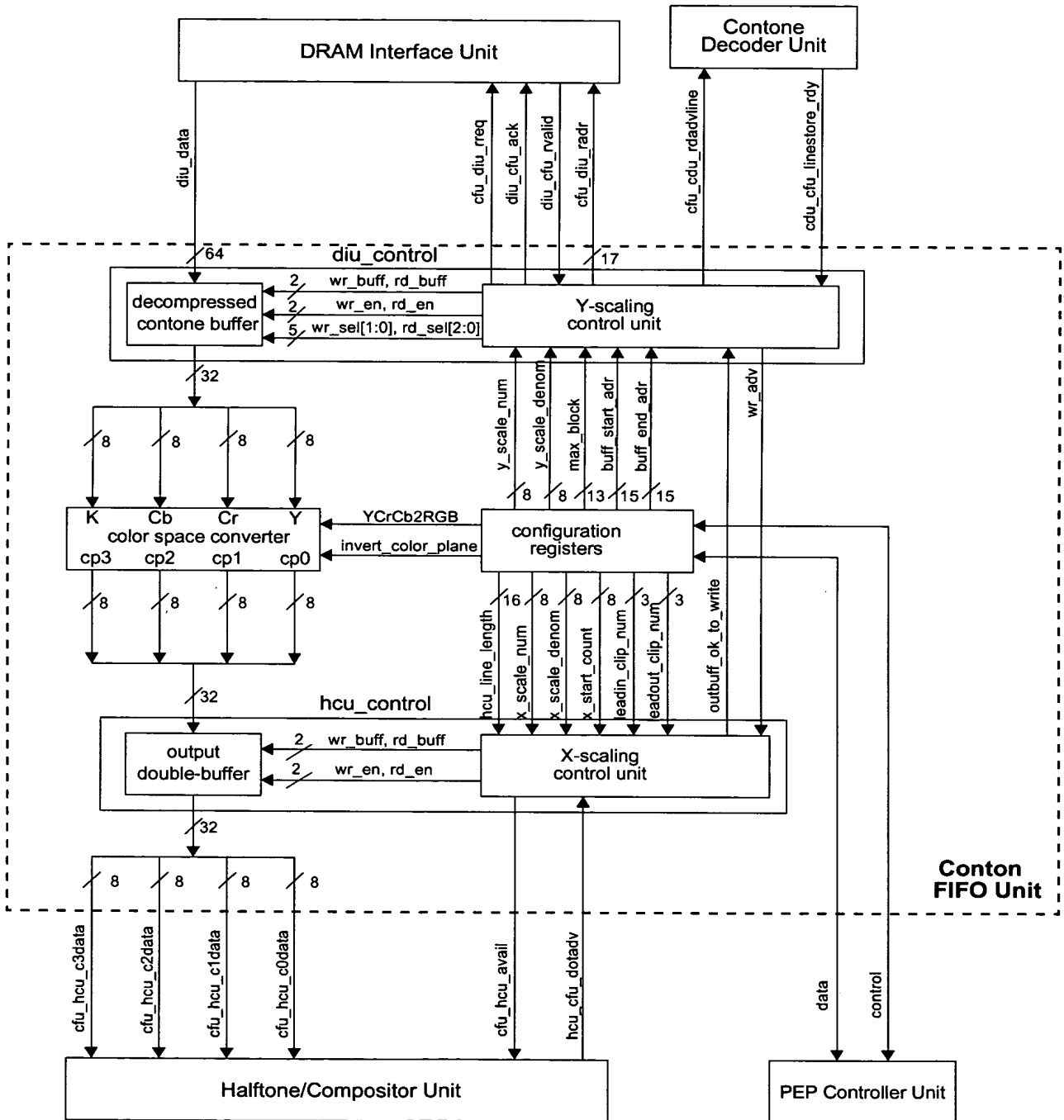


FIG. 142

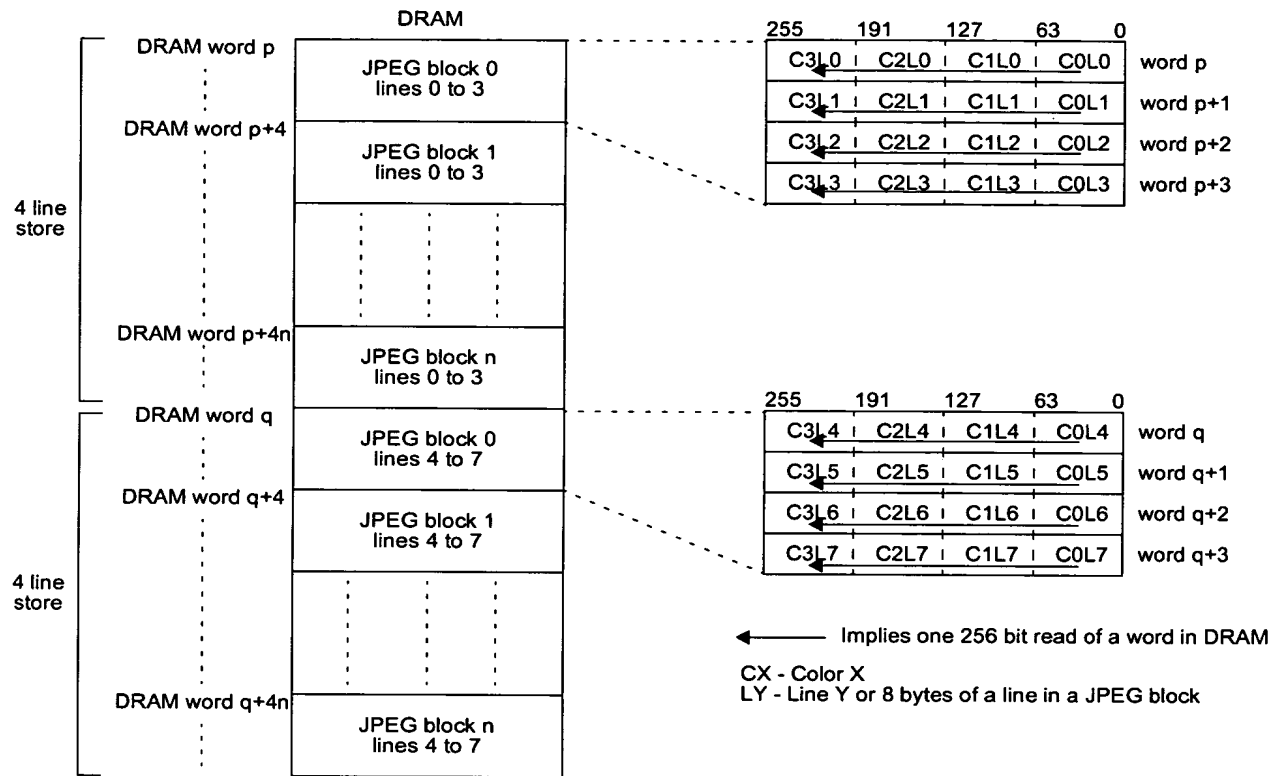


FIG. 143

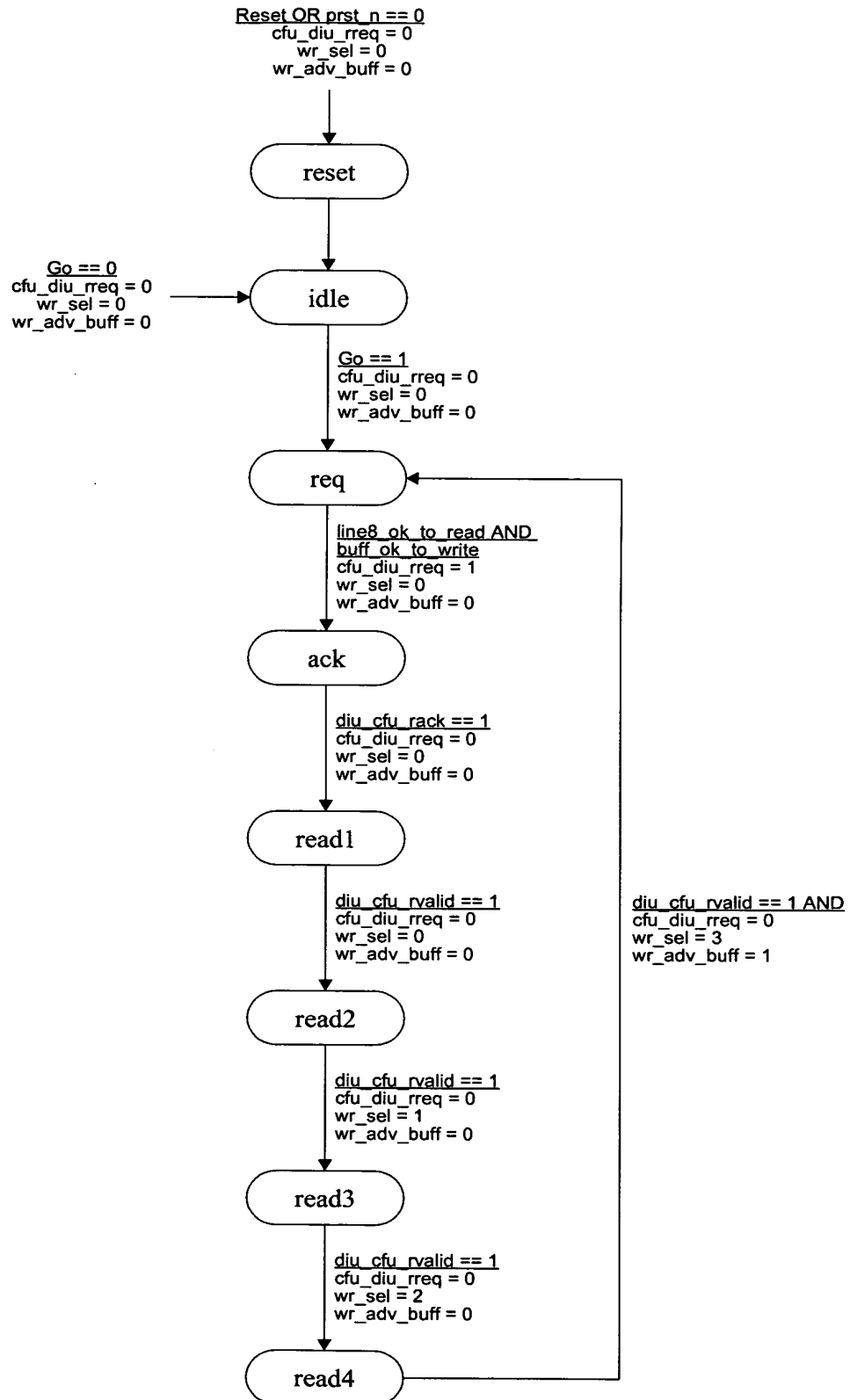


FIG. 144

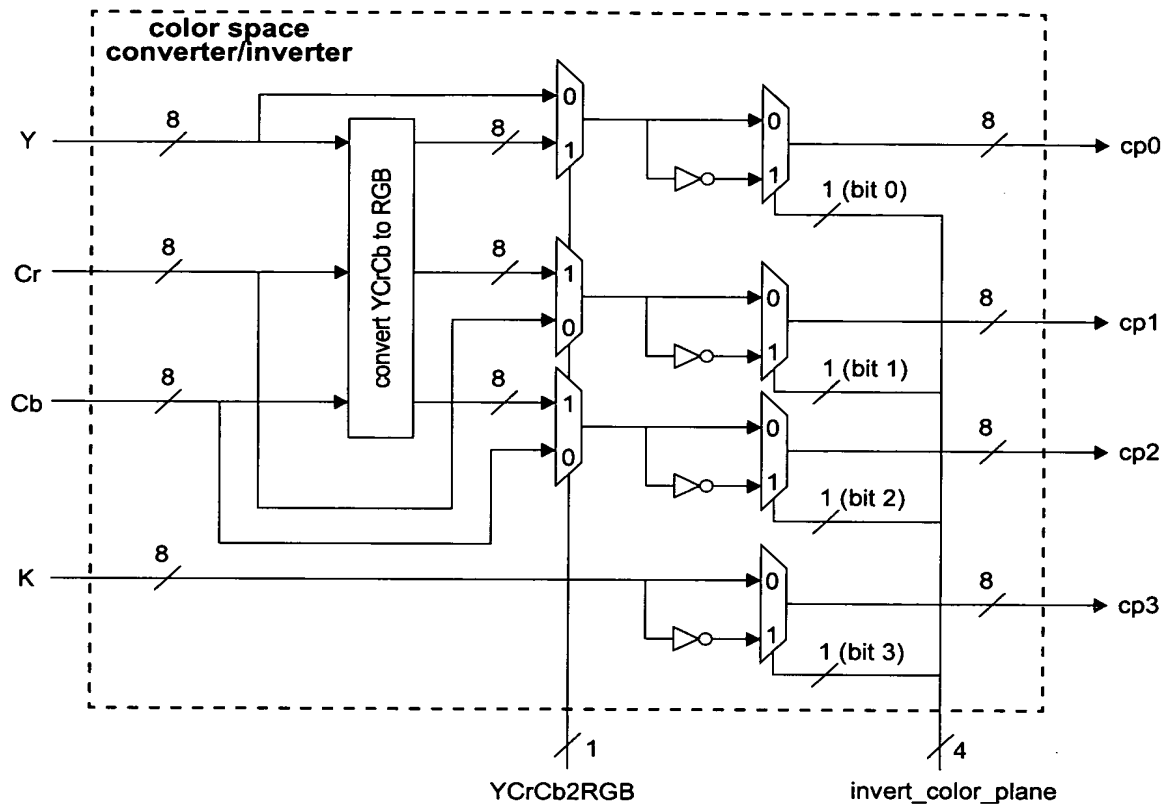


FIG. 145

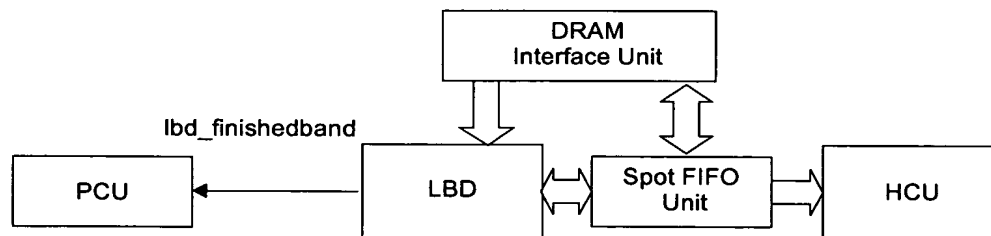


FIG. 146

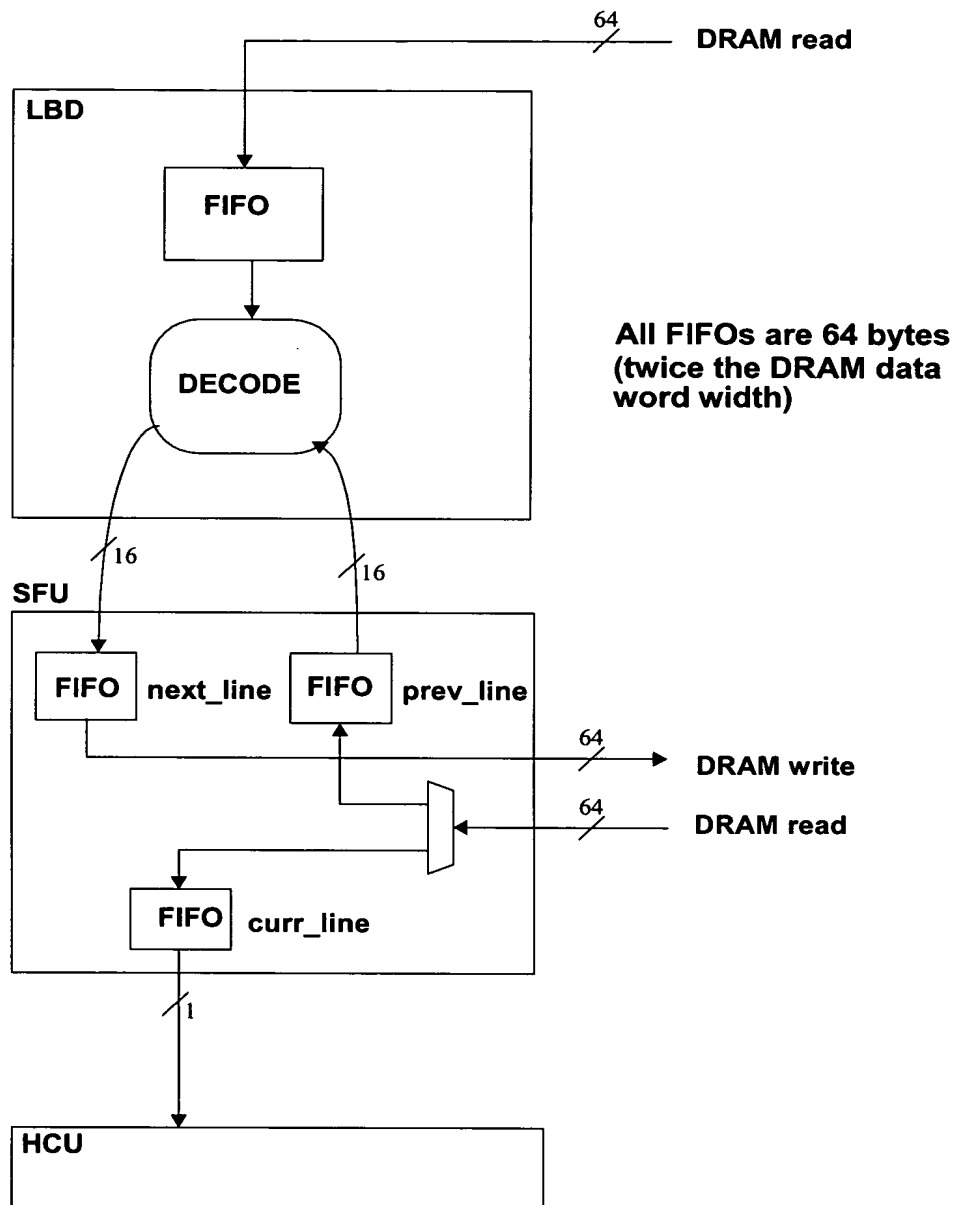


FIG. 147

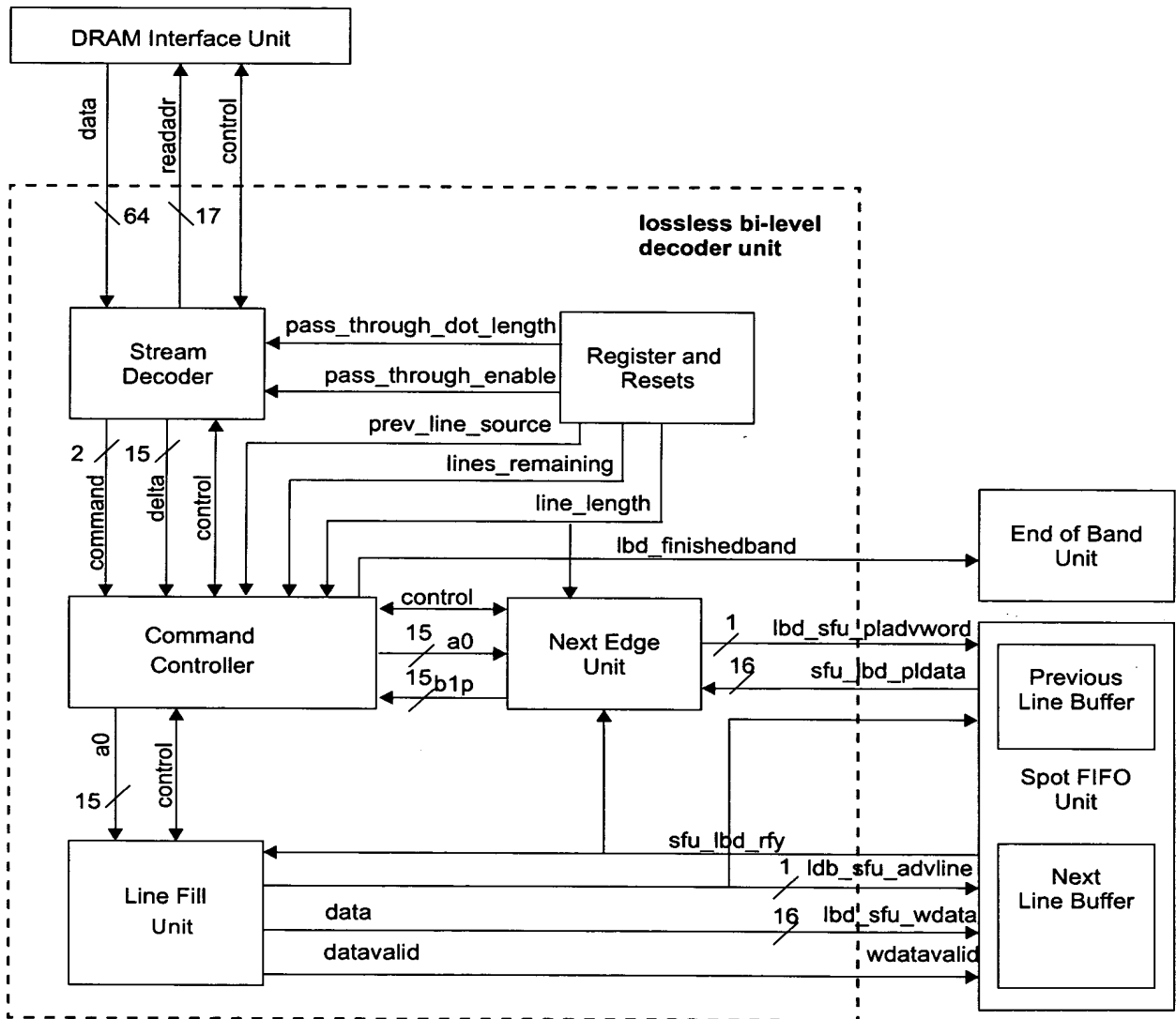


FIG. 148

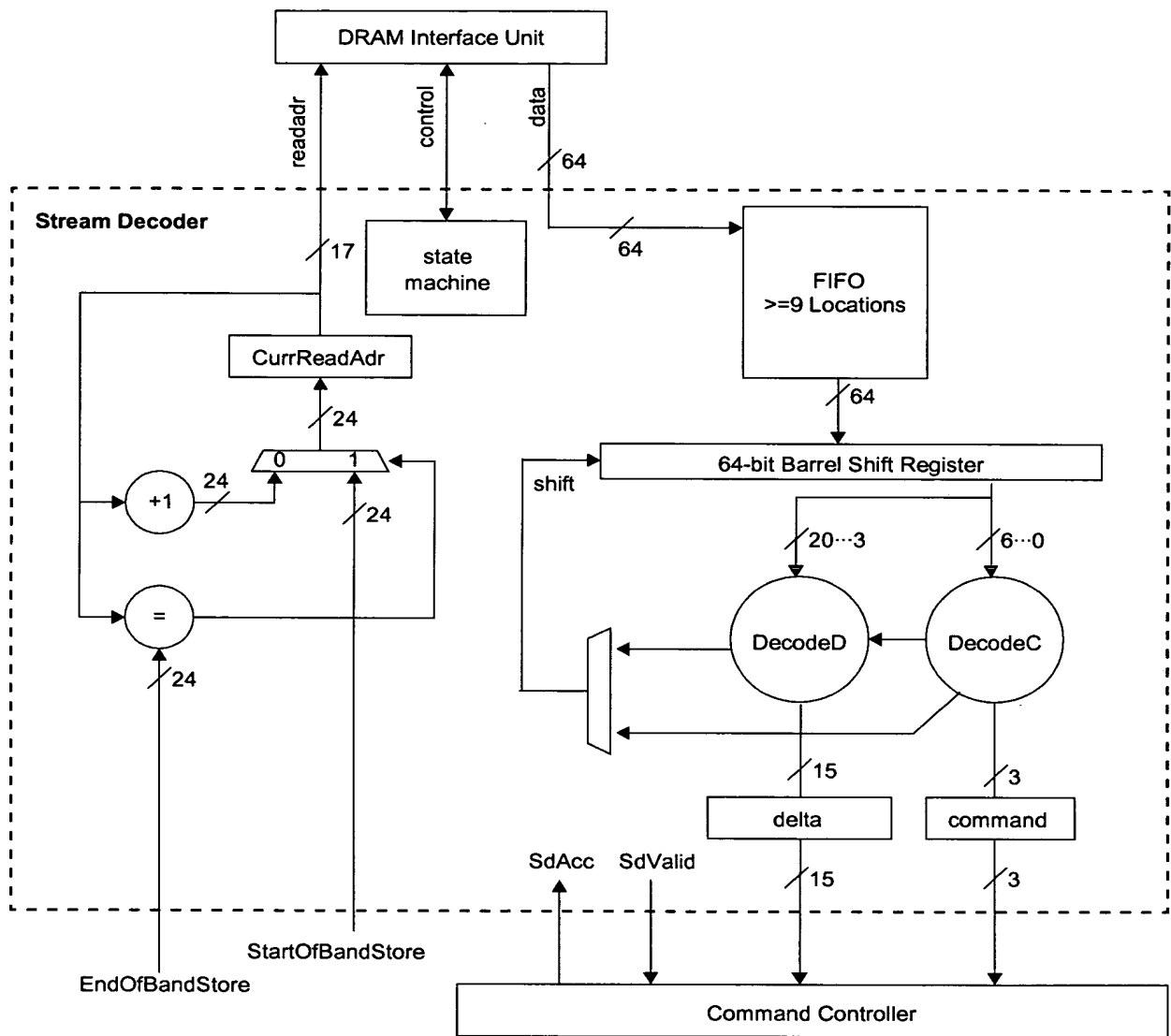


FIG. 149

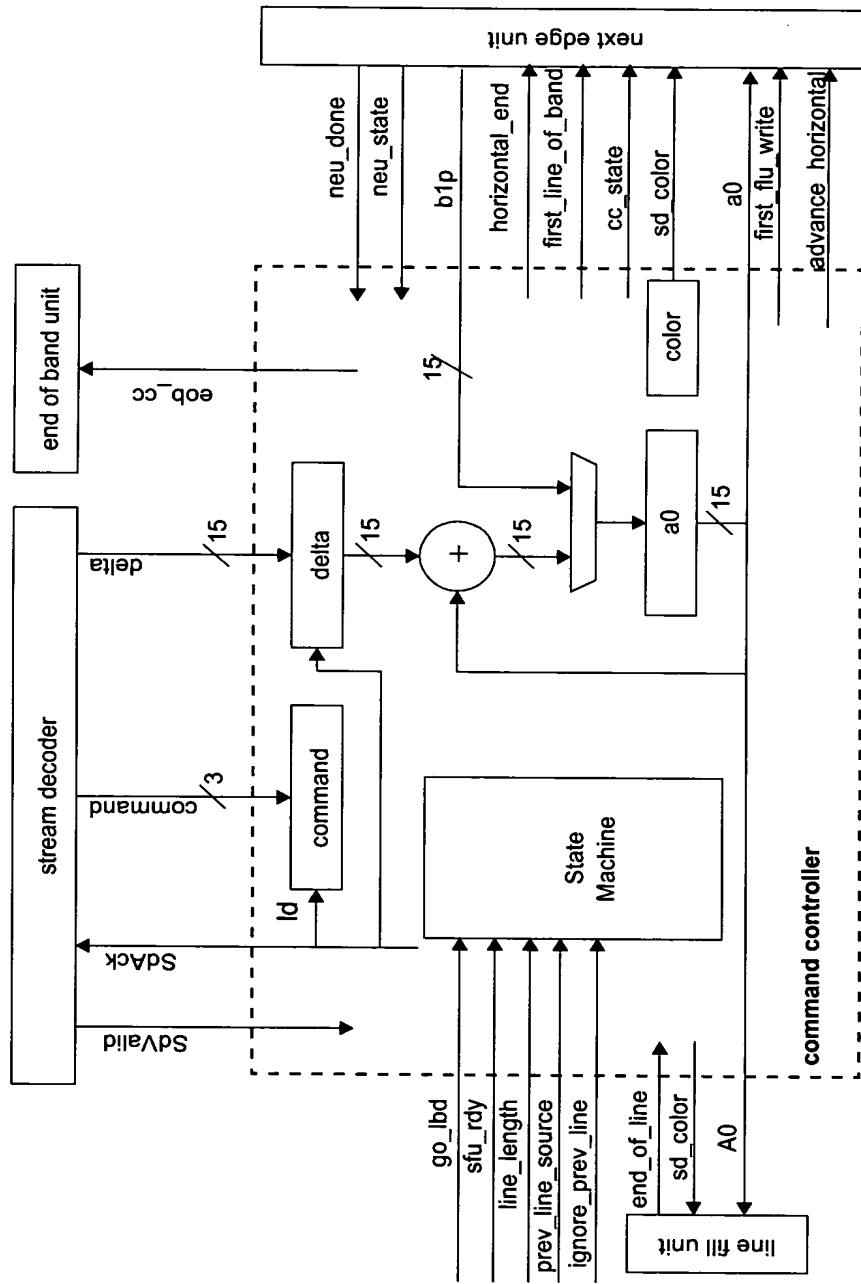


FIG. 150

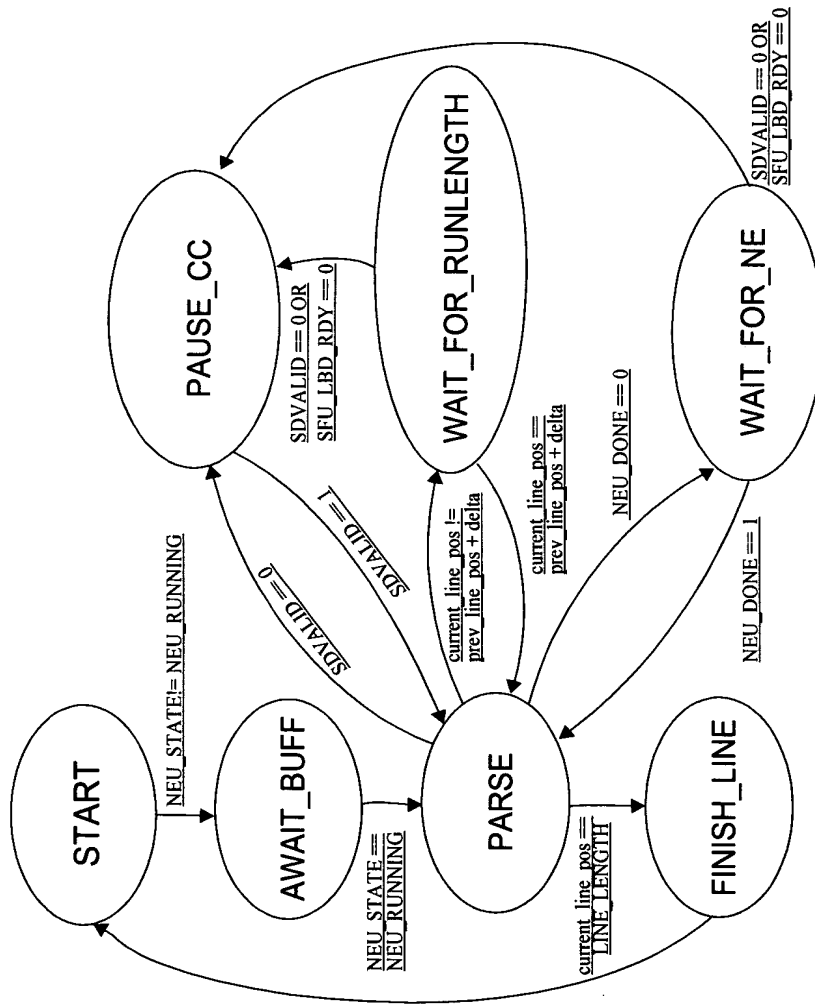


FIG. 151

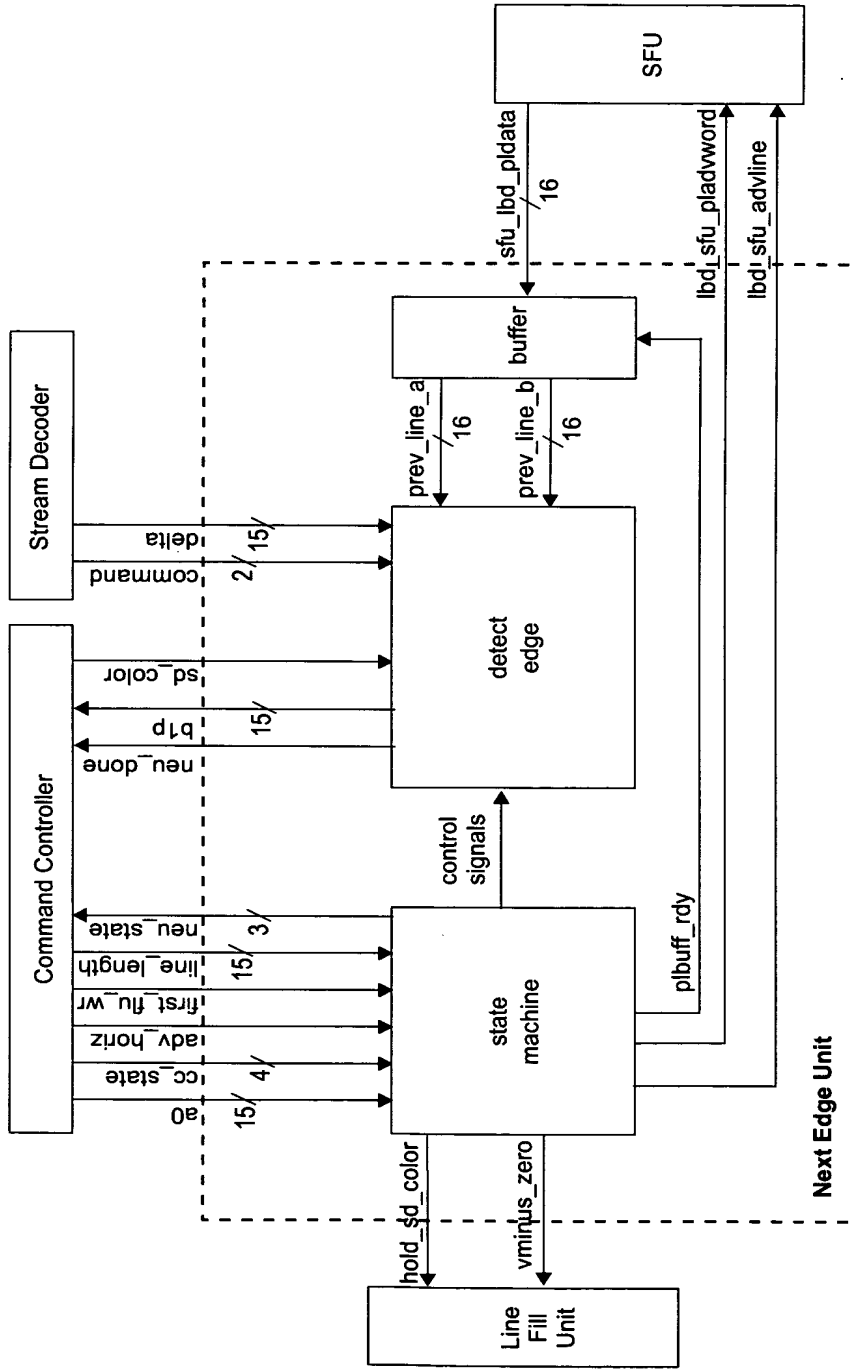


FIG. 152

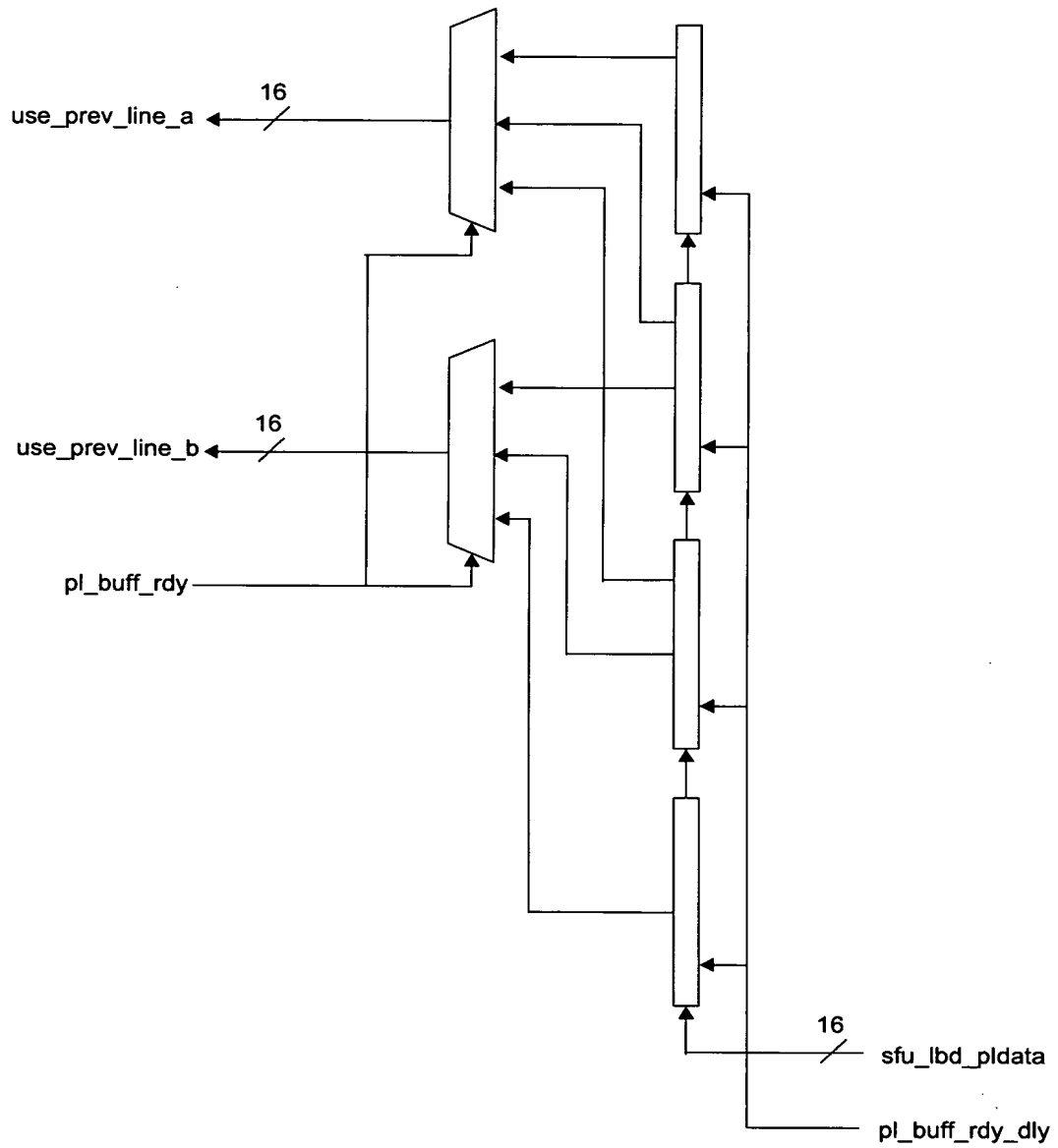


FIG. 153

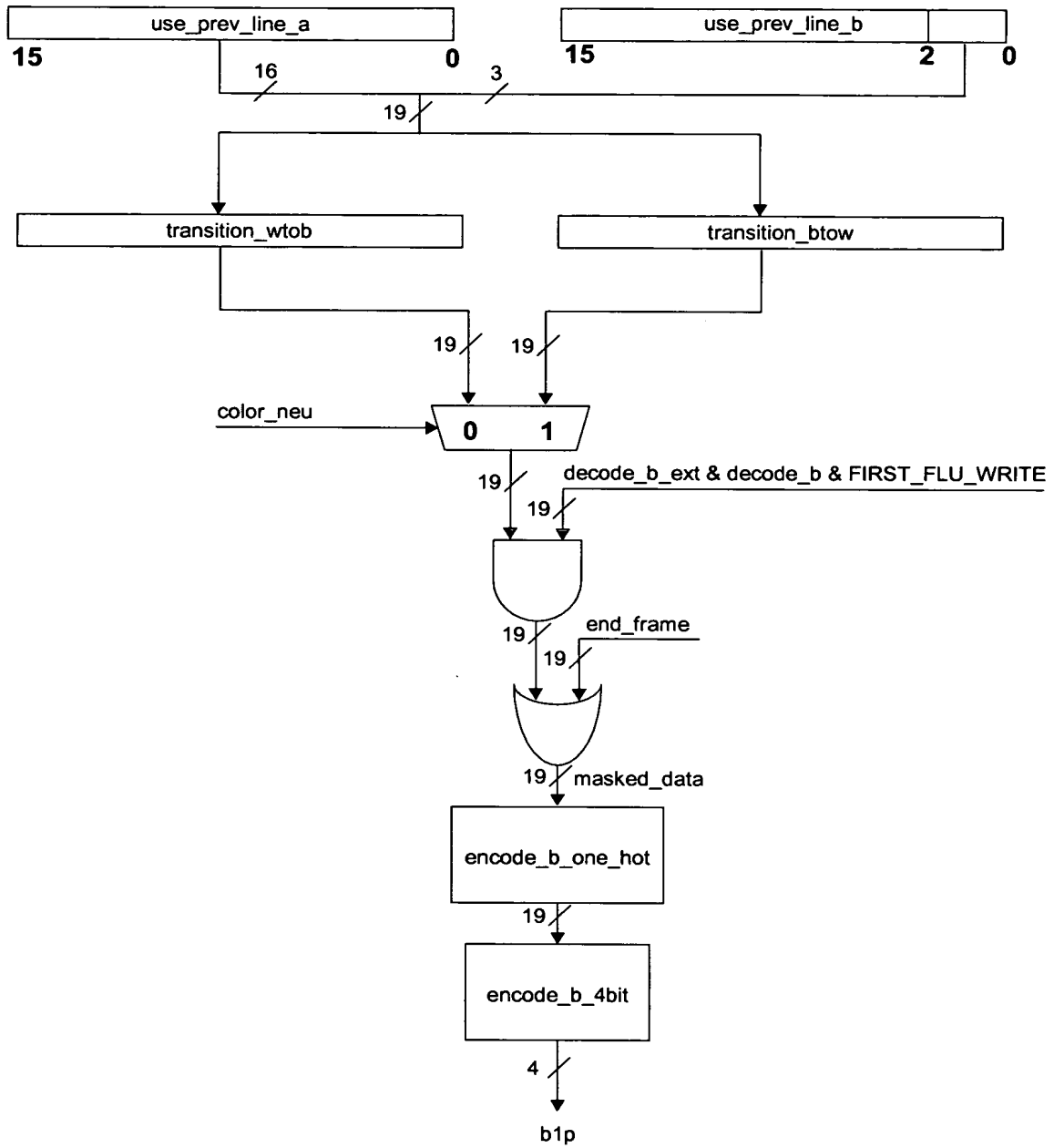
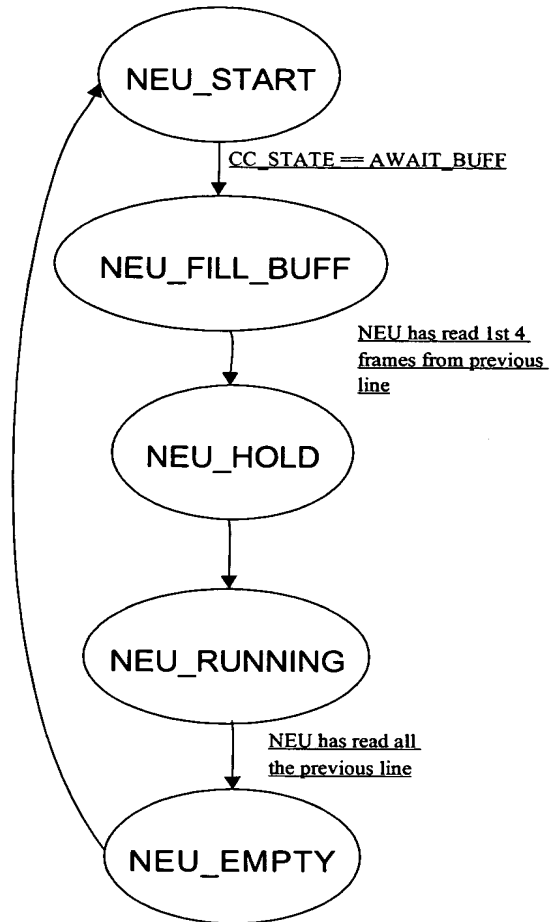


FIG. 154

*FIG. 155*

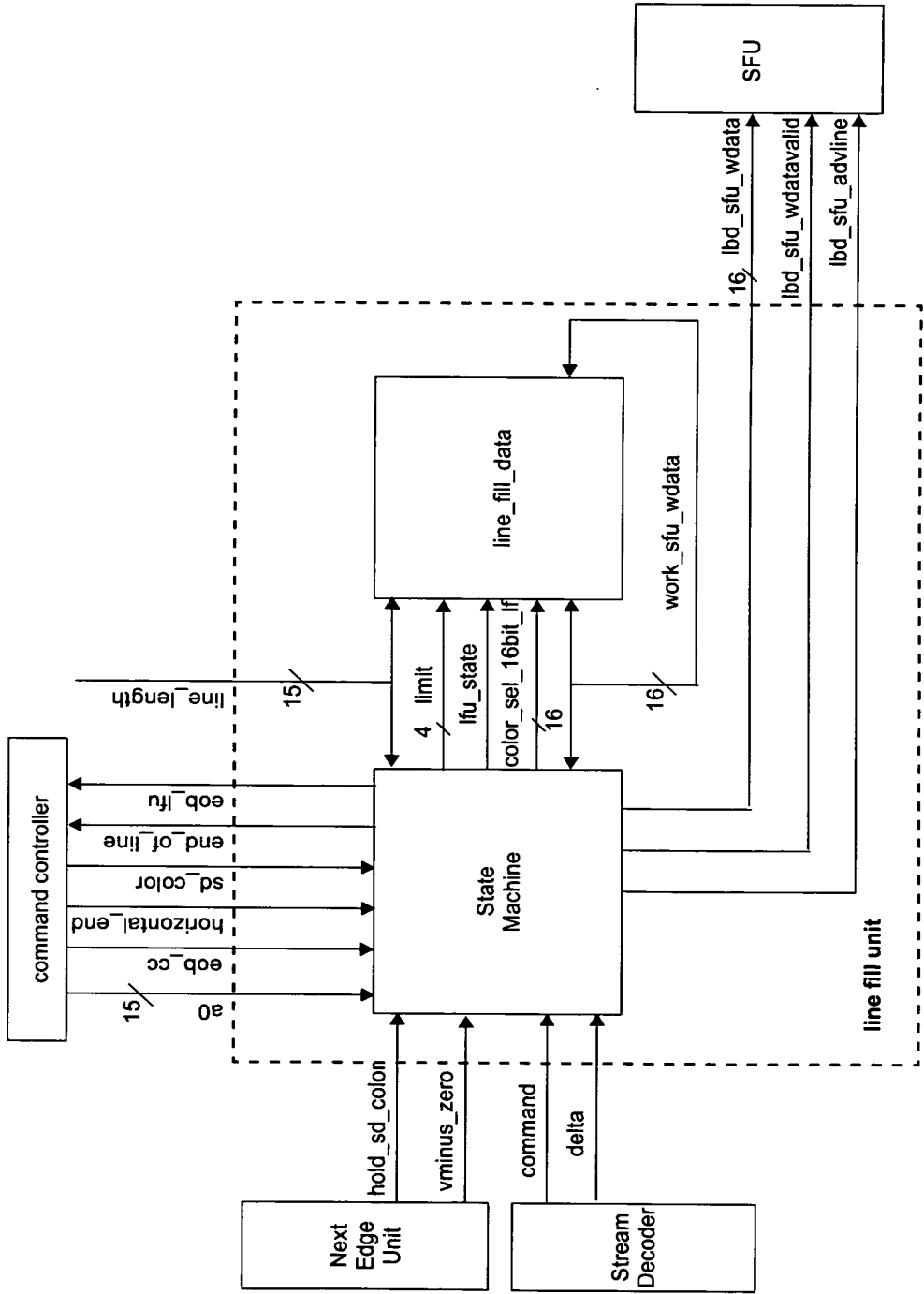


FIG. 156

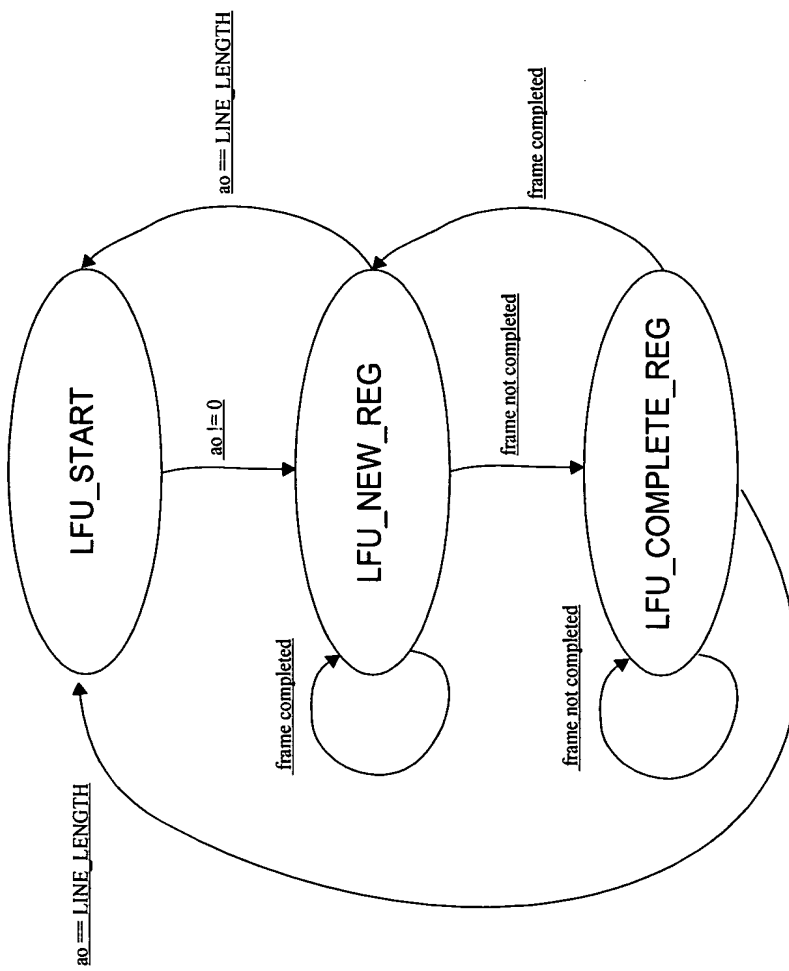


FIG. 157

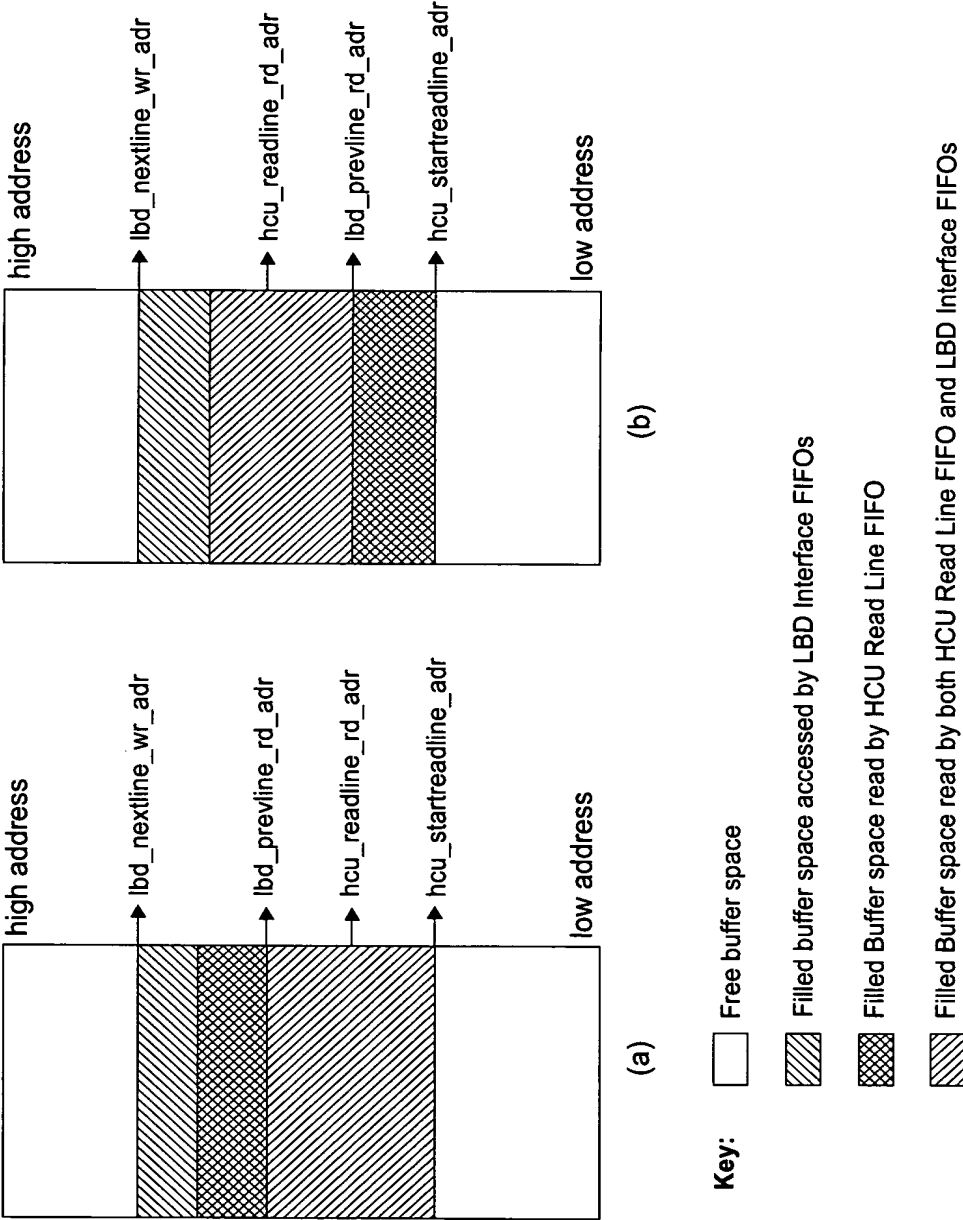


FIG. 158

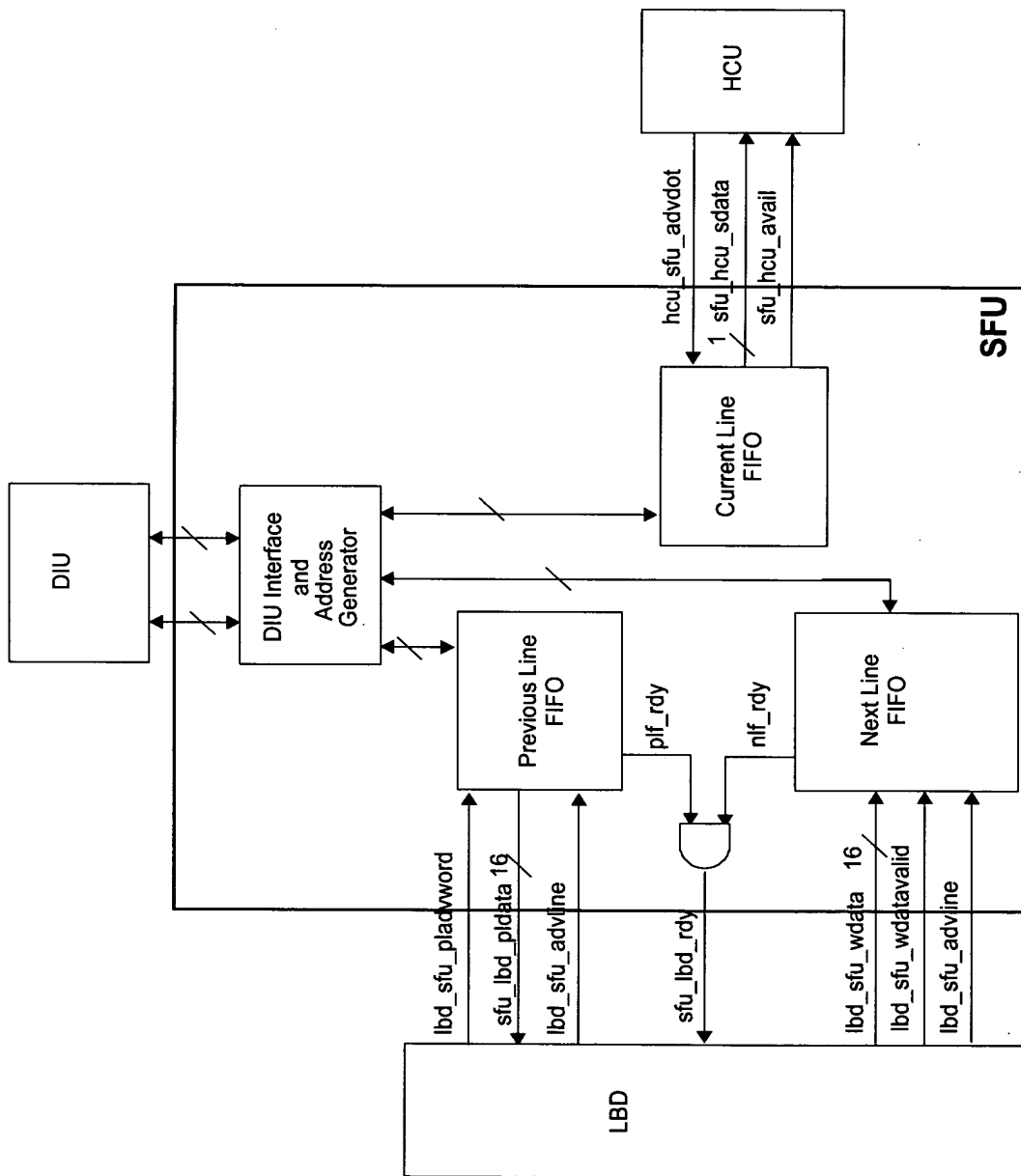


FIG. 159

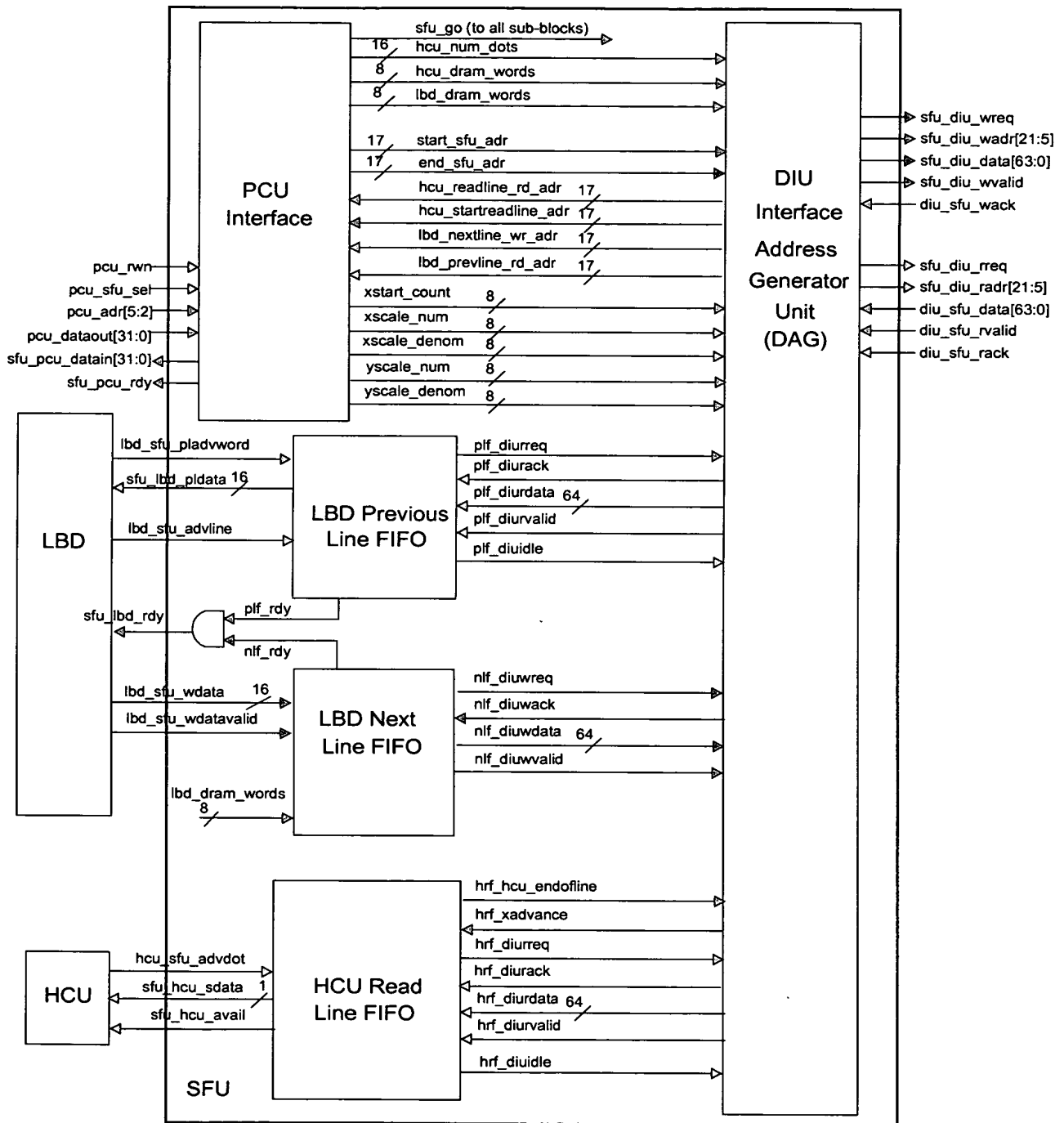


FIG. 160

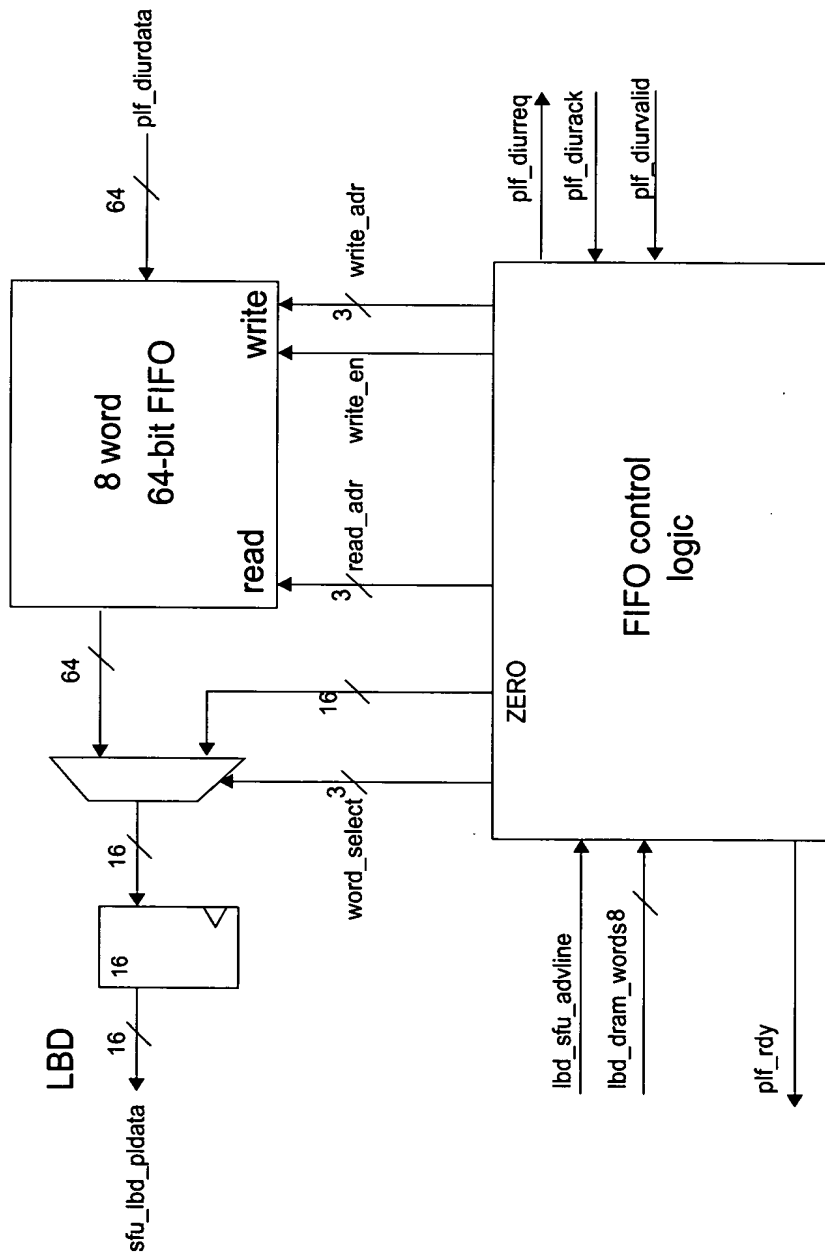


FIG. 161

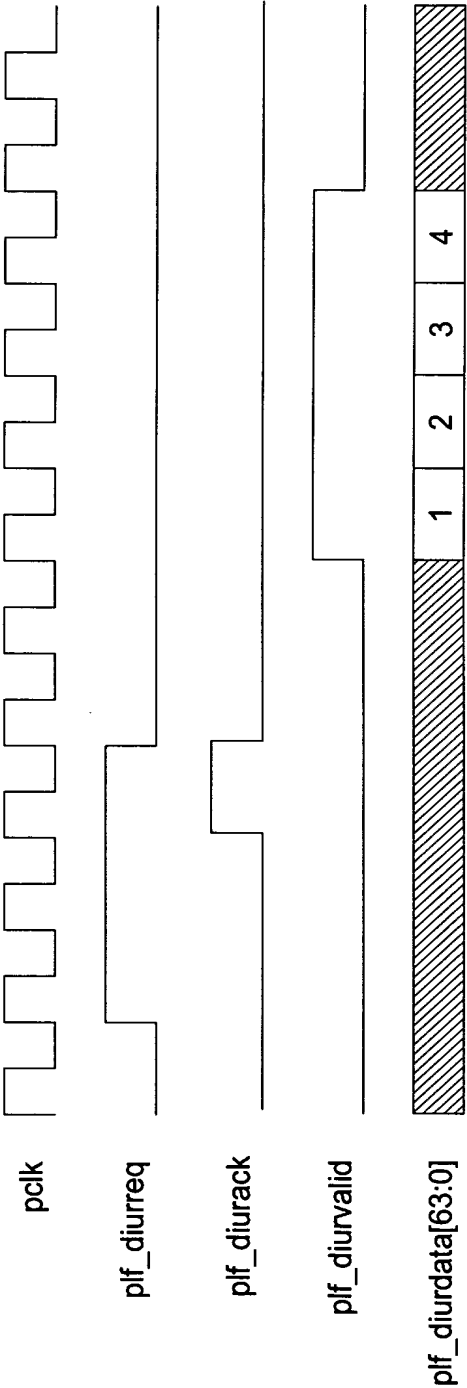


FIG. 162

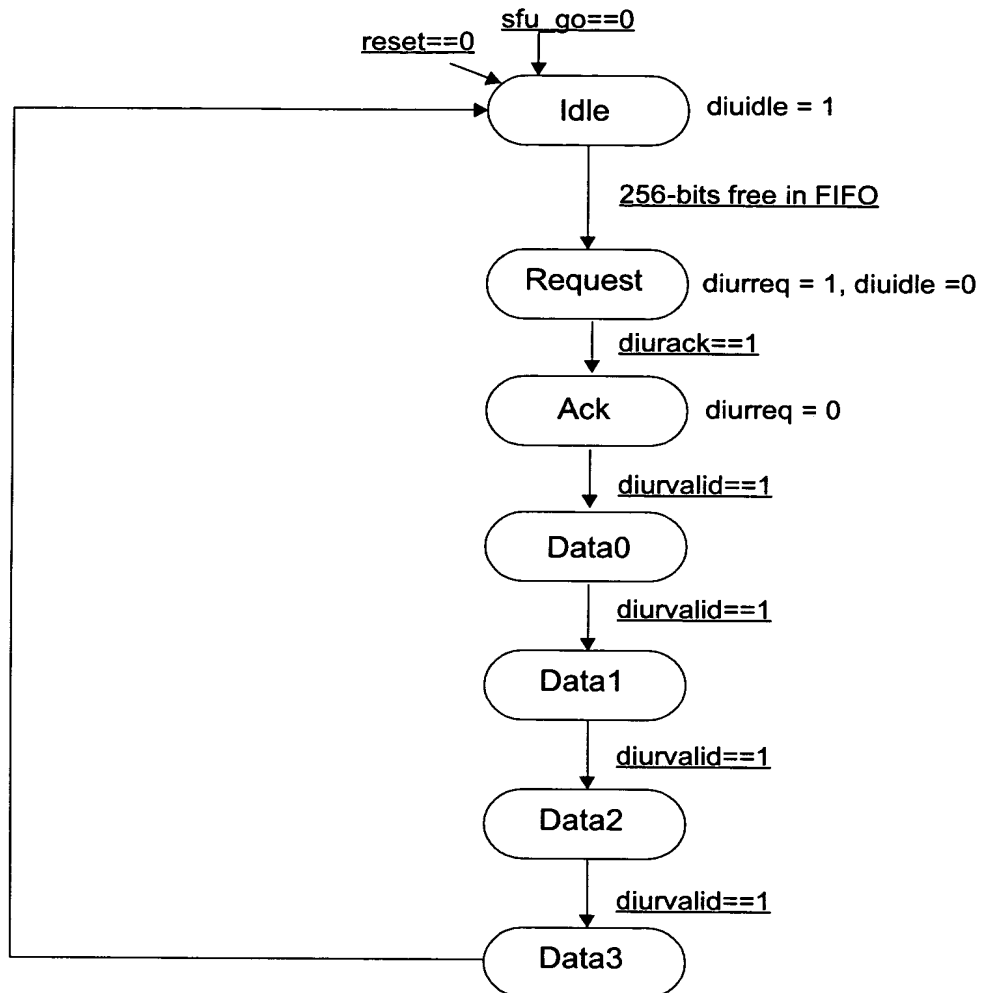


FIG. 163

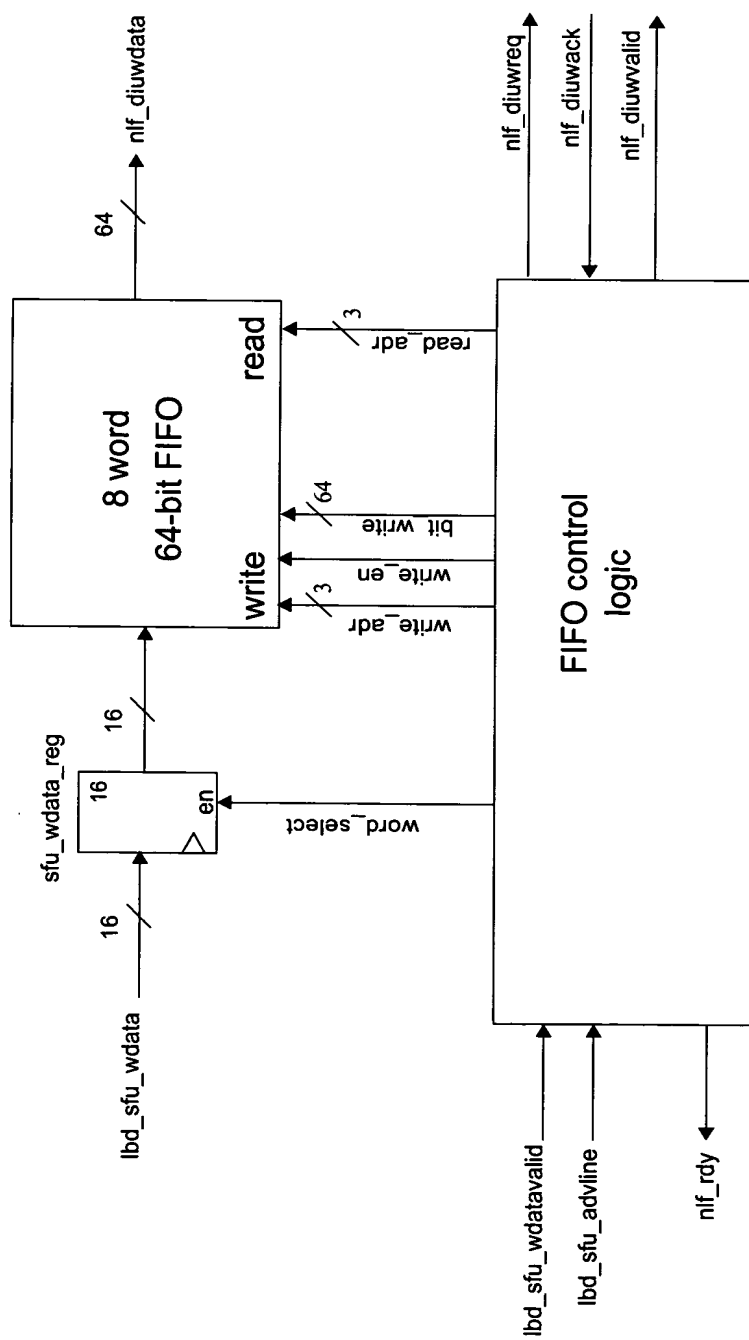


FIG. 164

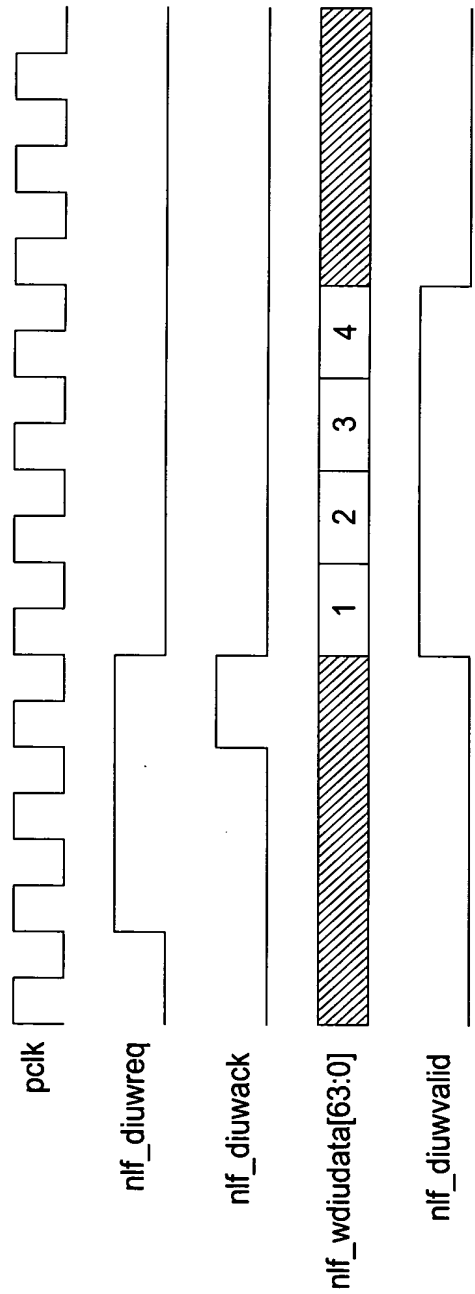


FIG. 165

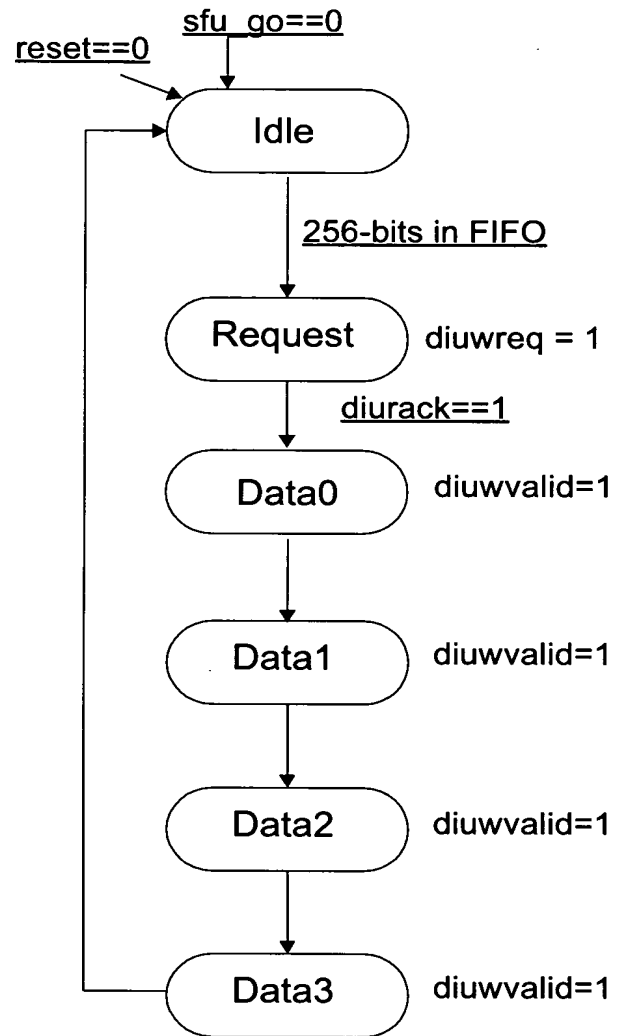


FIG. 166

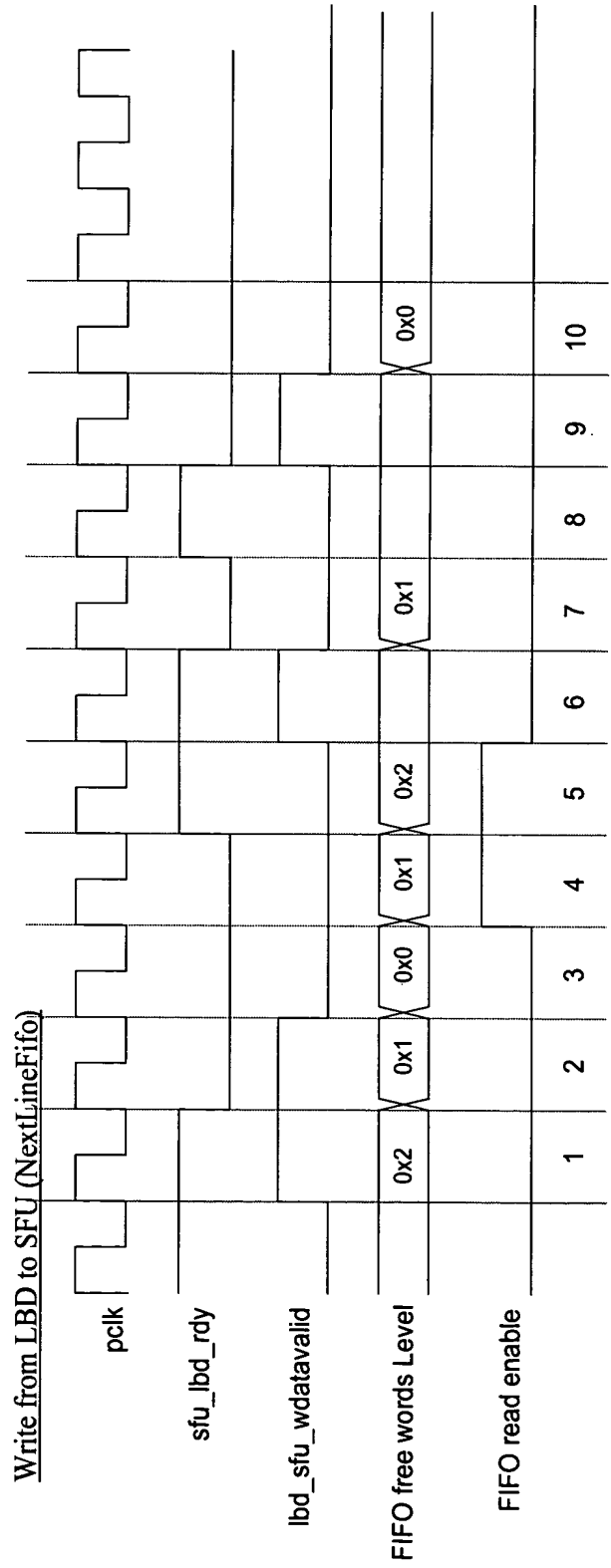


FIG. 167

Read from SFU to LBD (PreviousLineFifo)

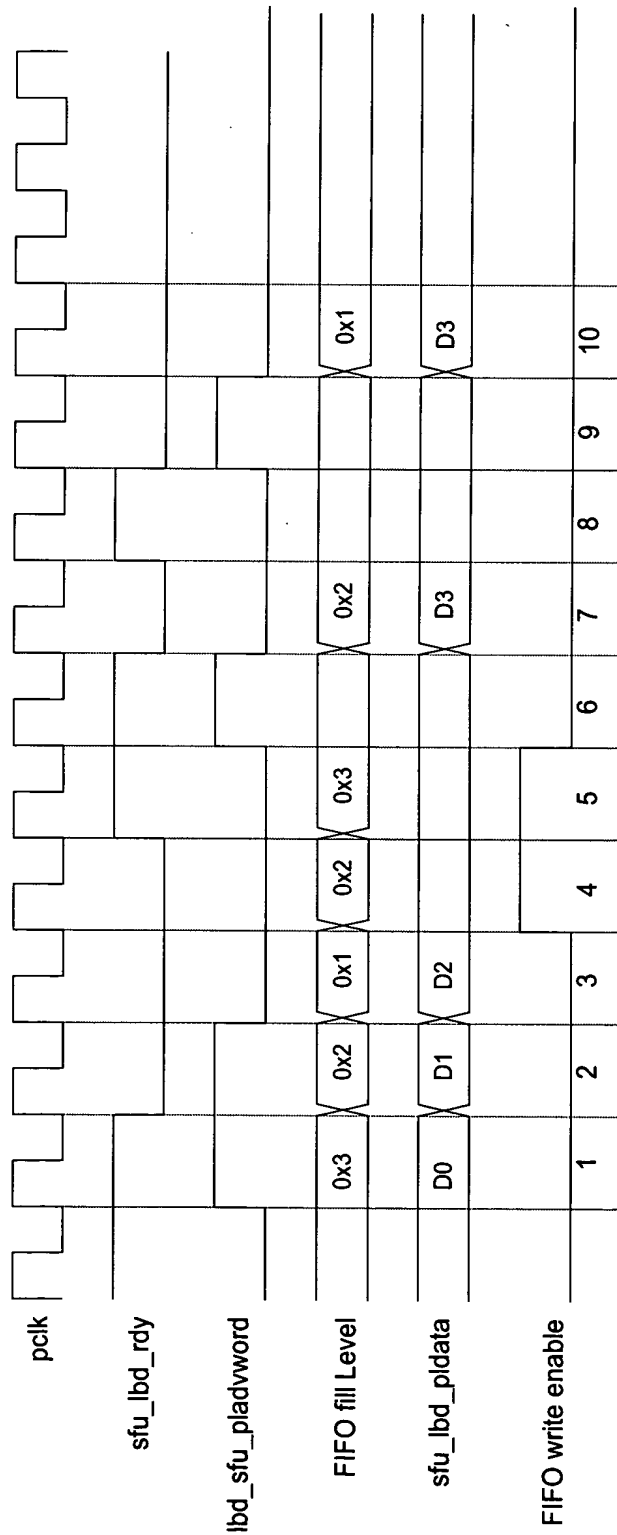


FIG. 168

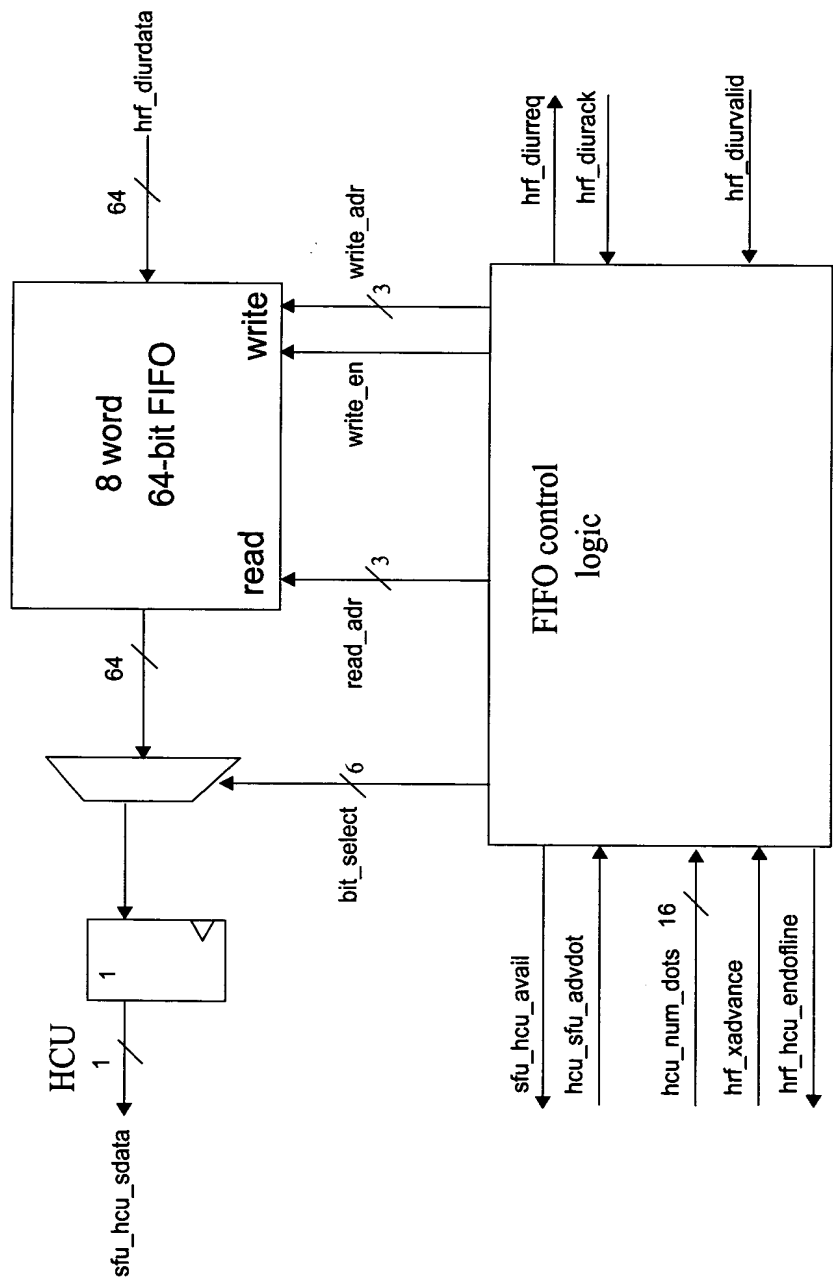


FIG. 169

150/331

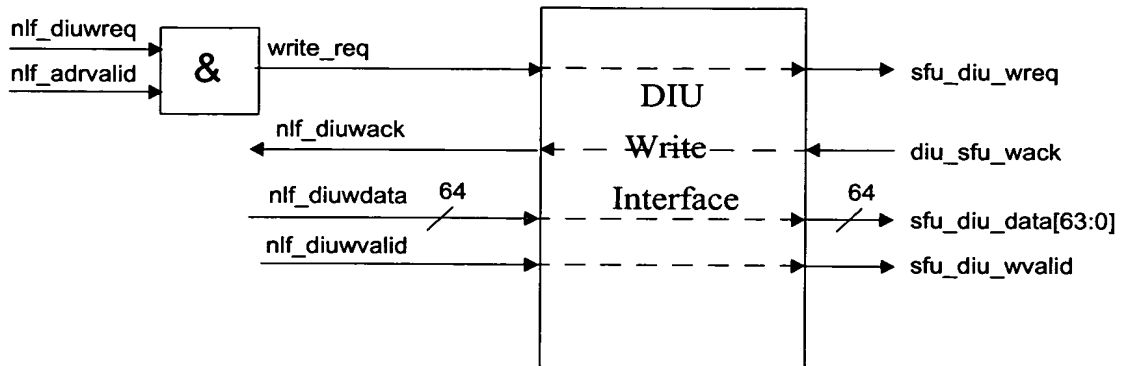


FIG. 170

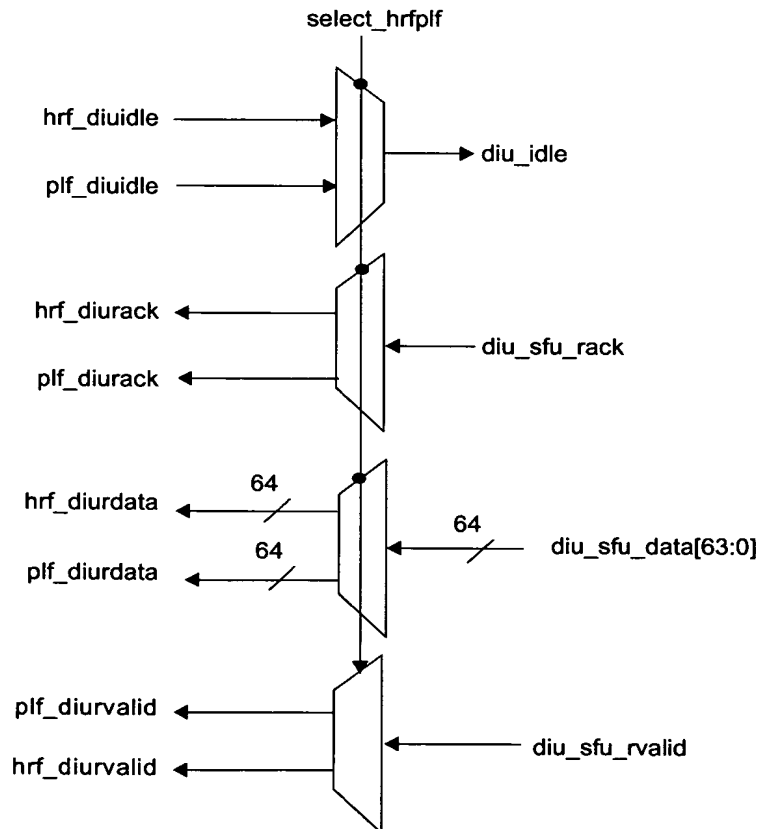


FIG. 171

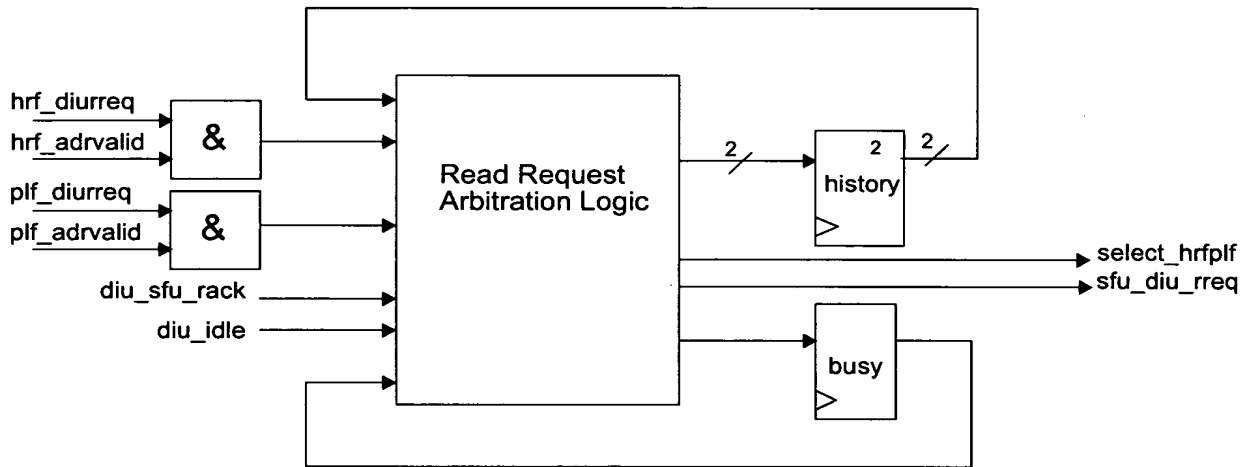


FIG. 172

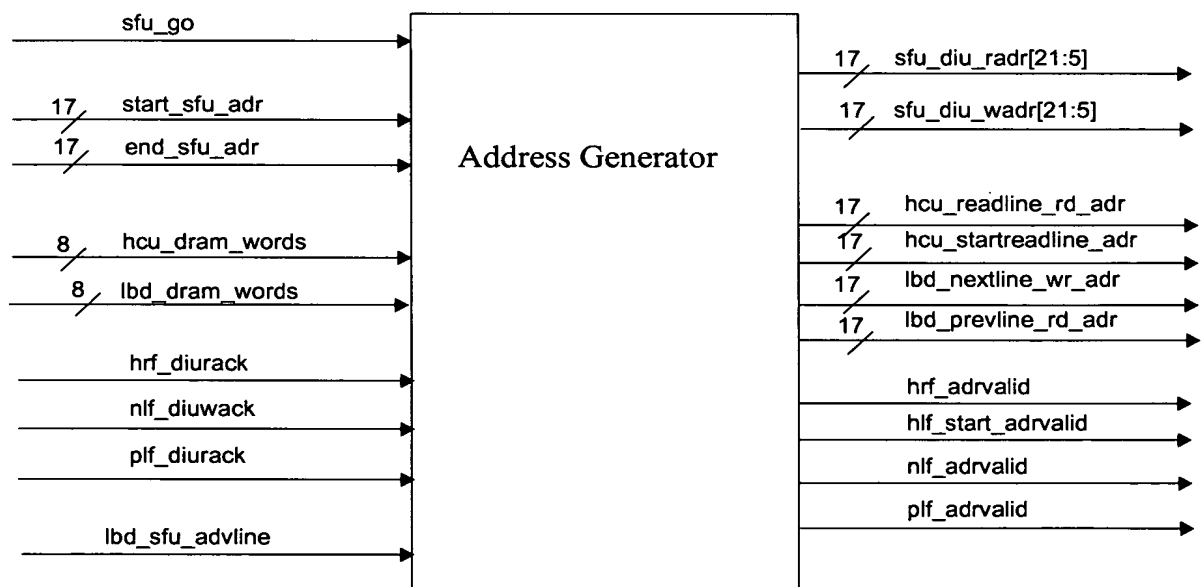
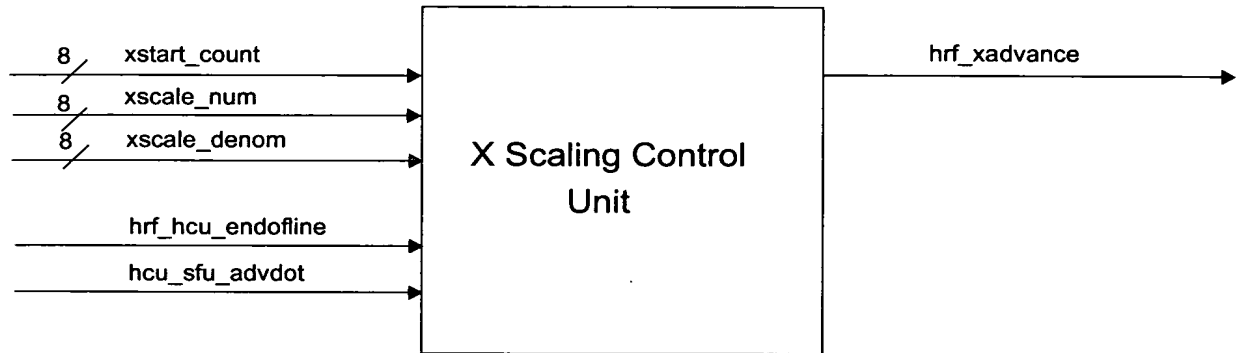
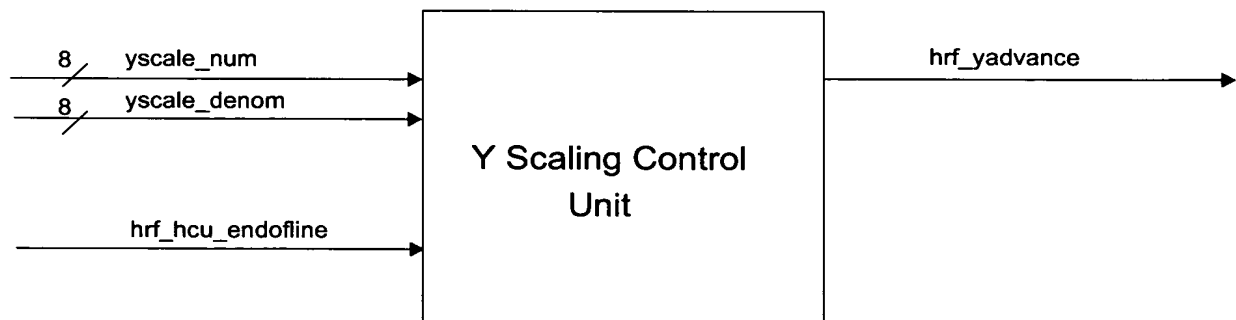


FIG. 173

*FIG. 174**FIG. 175*

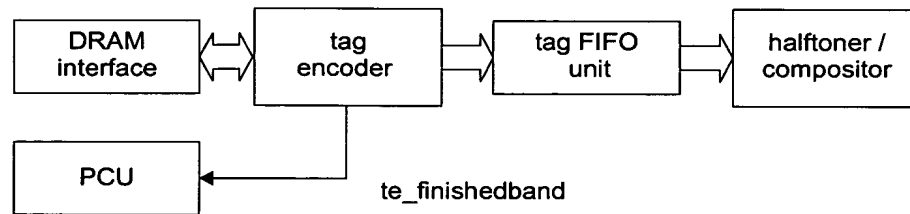


FIG. 177

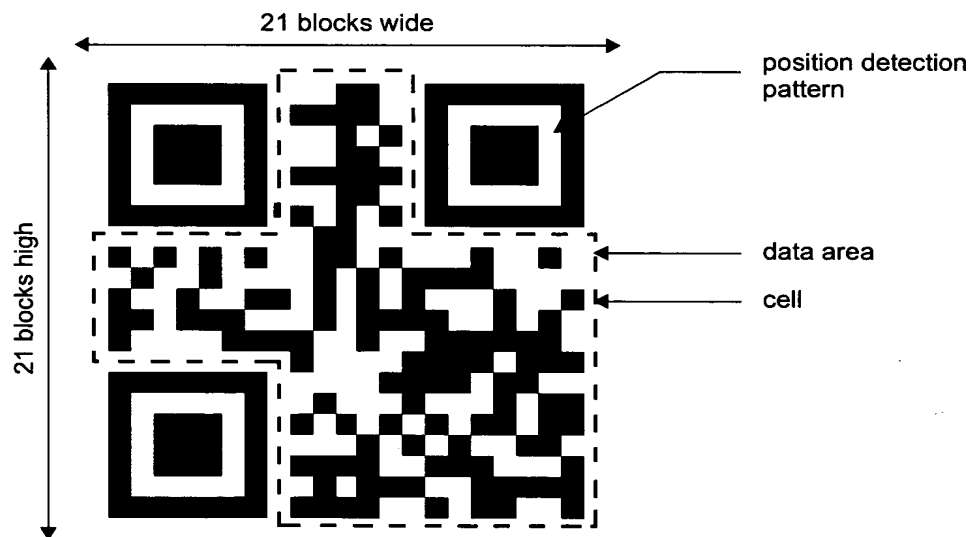
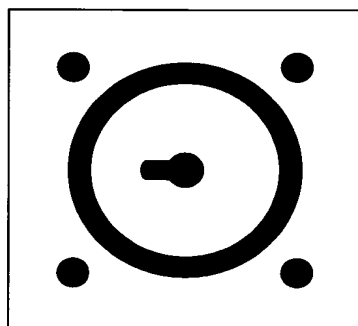
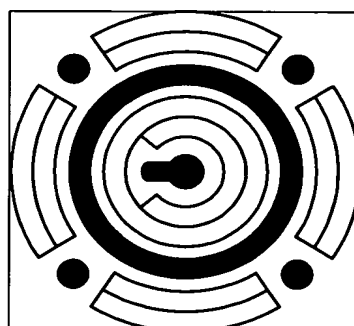


FIG. 178



(a) Netpage tag background pattern



(b) Netpage tag showing data area

FIG. 179

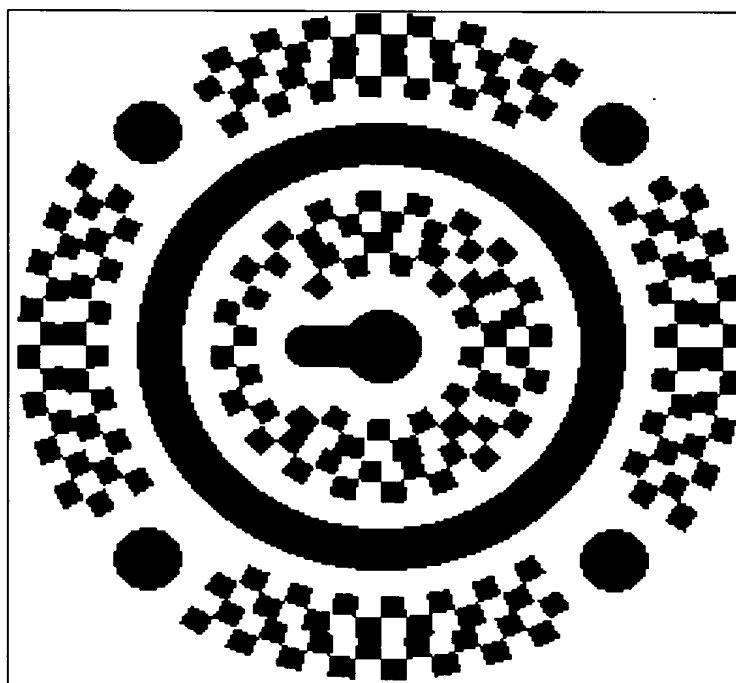


FIG. 180

156/331

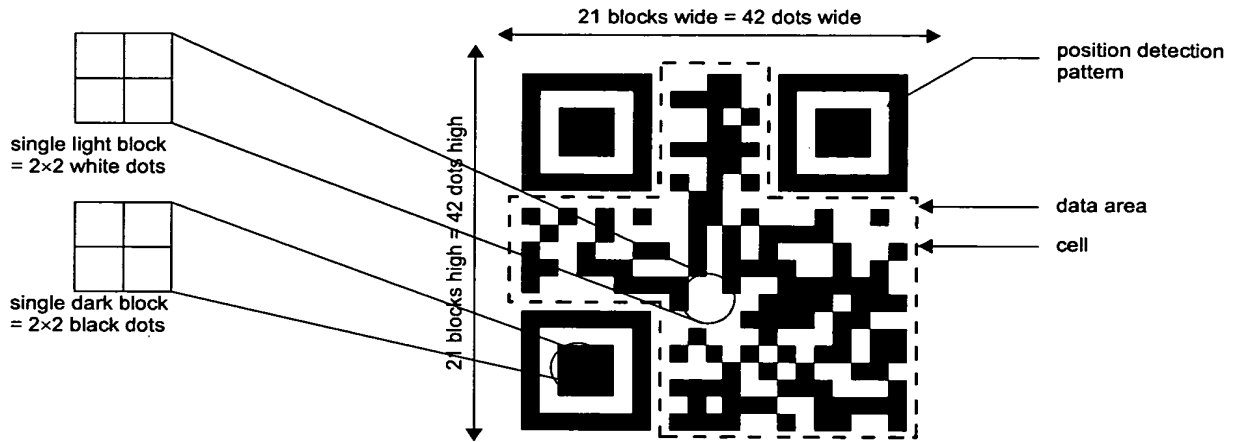


FIG. 181

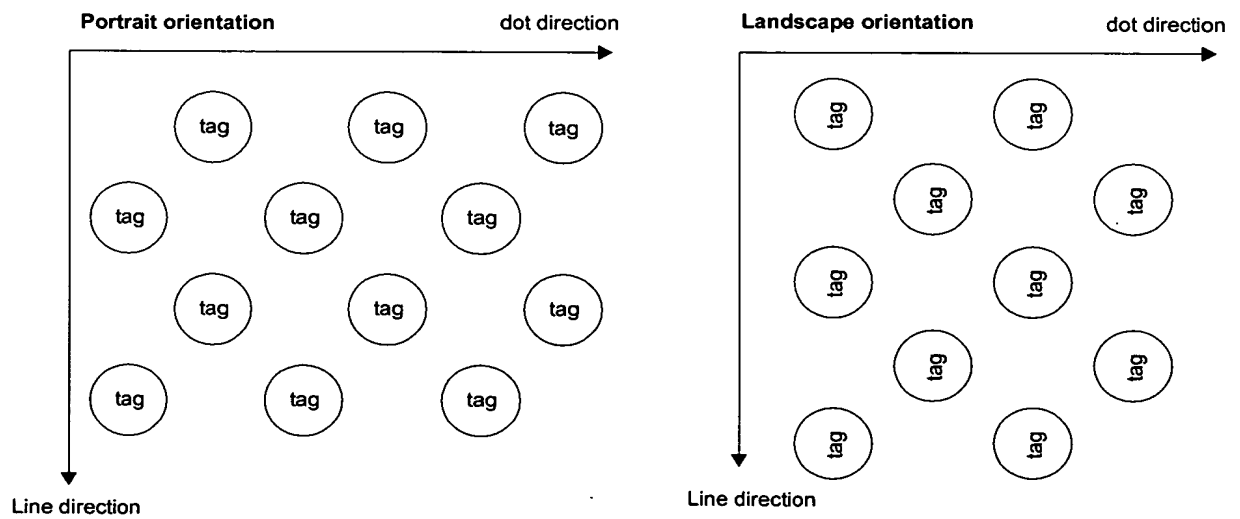


FIG. 182

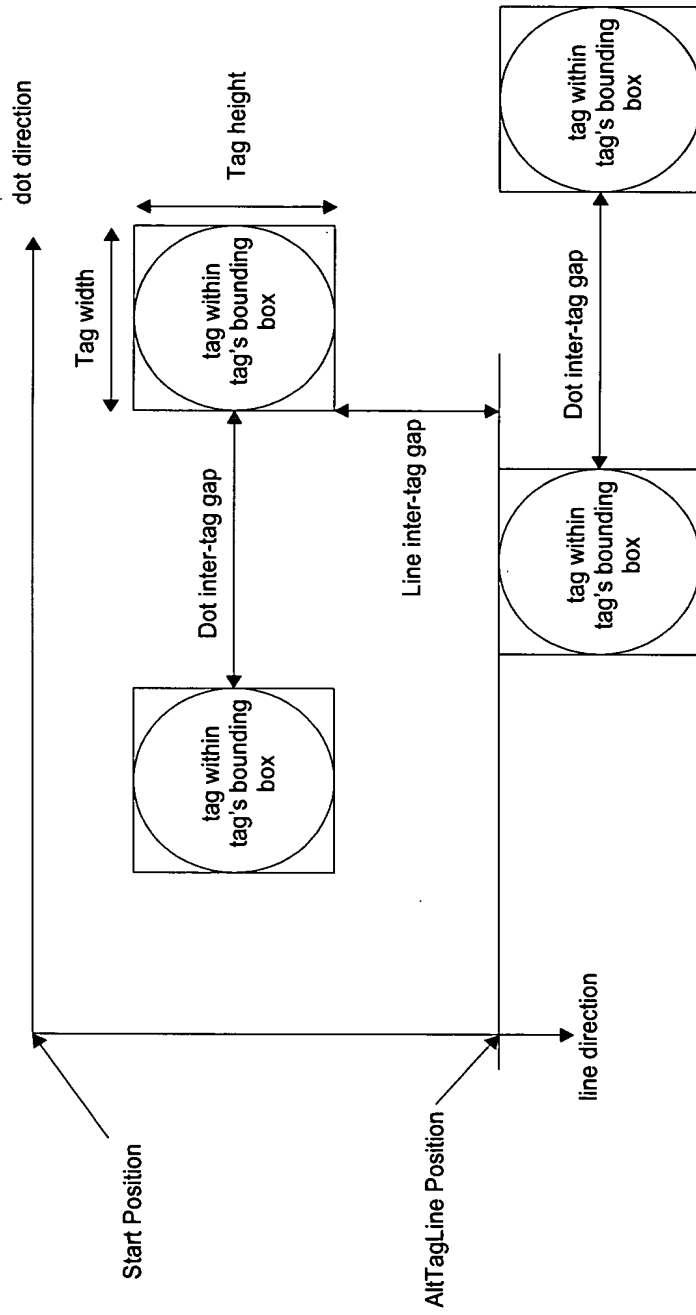


FIG. 183

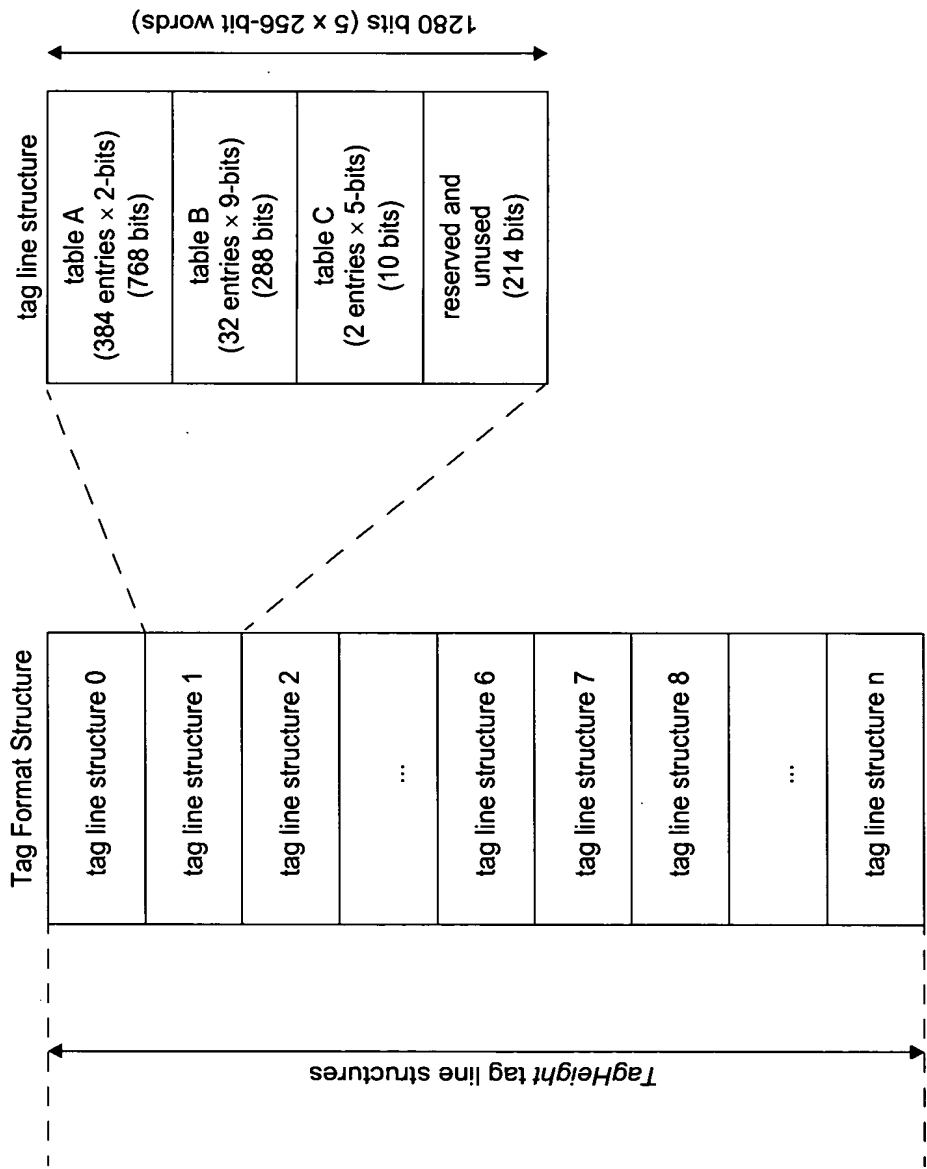


FIG. 184

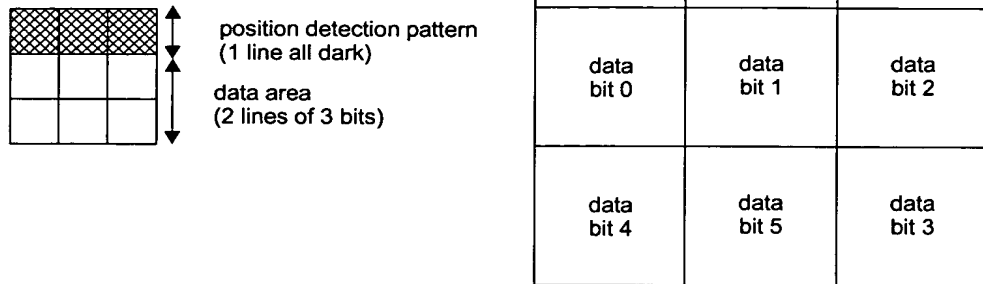


FIG. 185

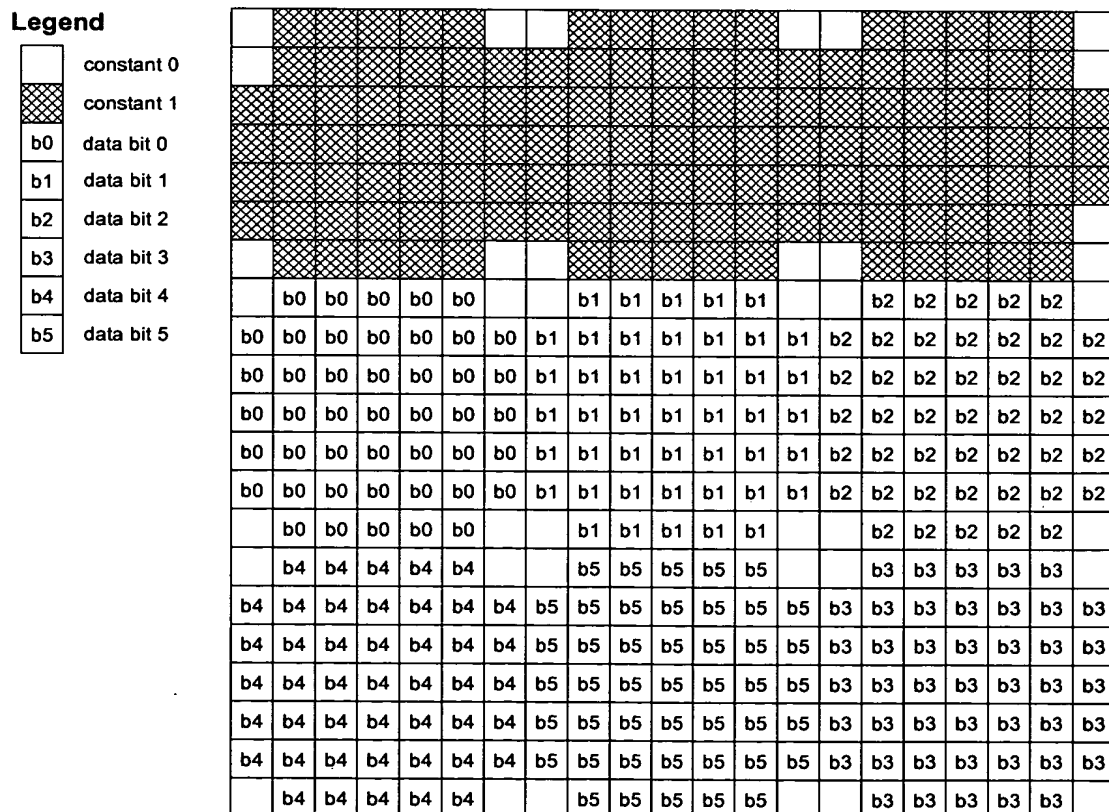


FIG. 186

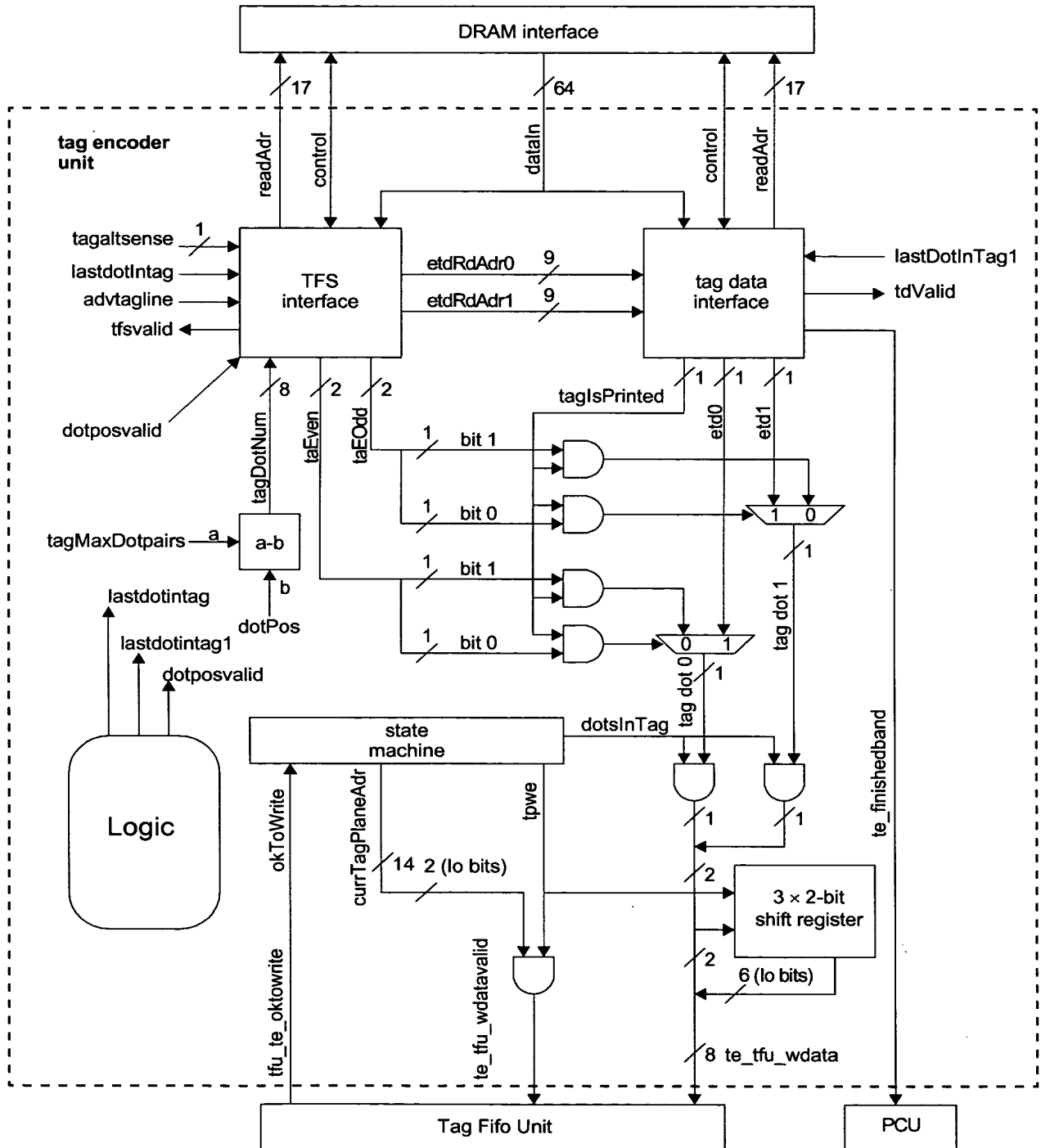


FIG. 187

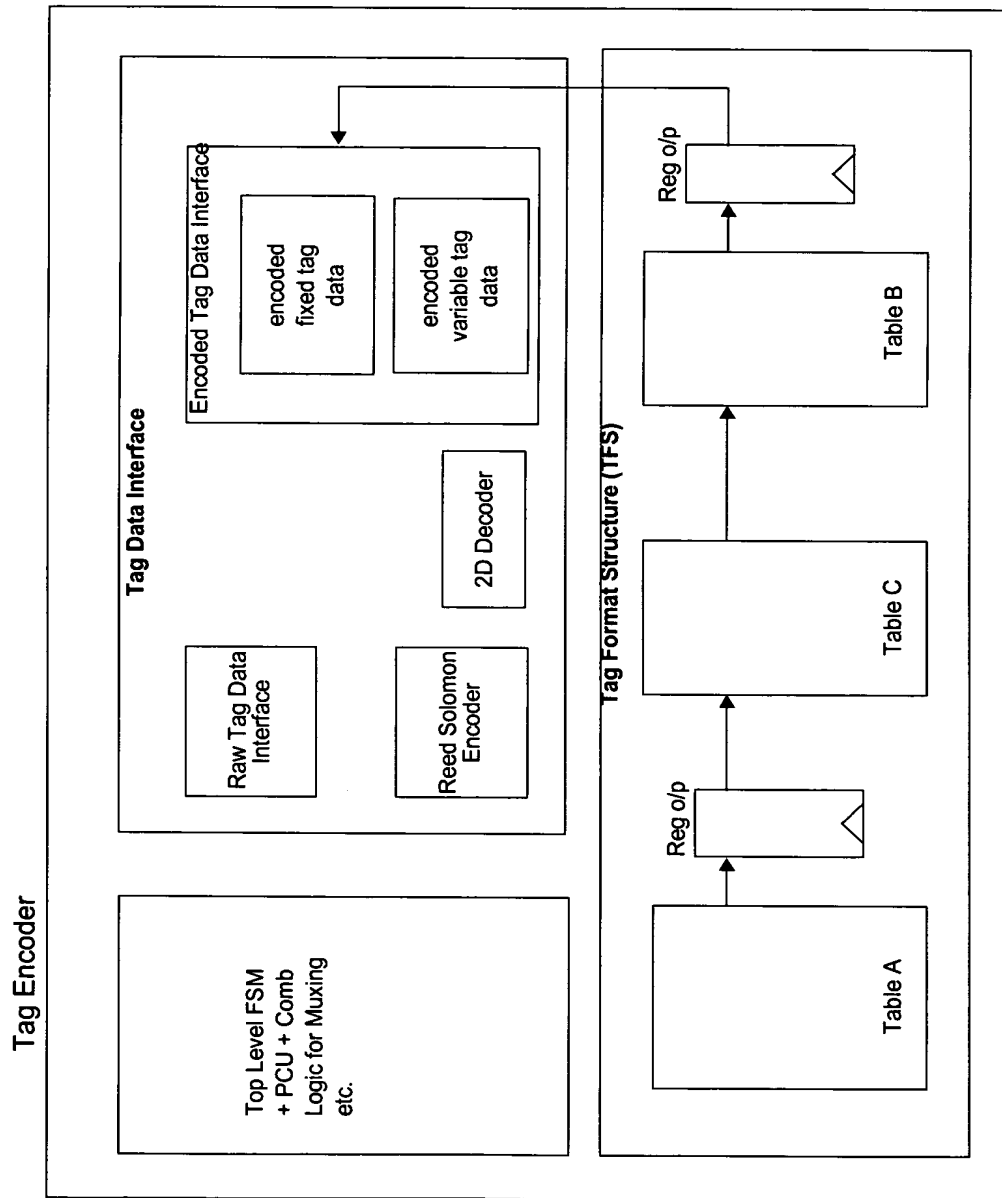


FIG. 188

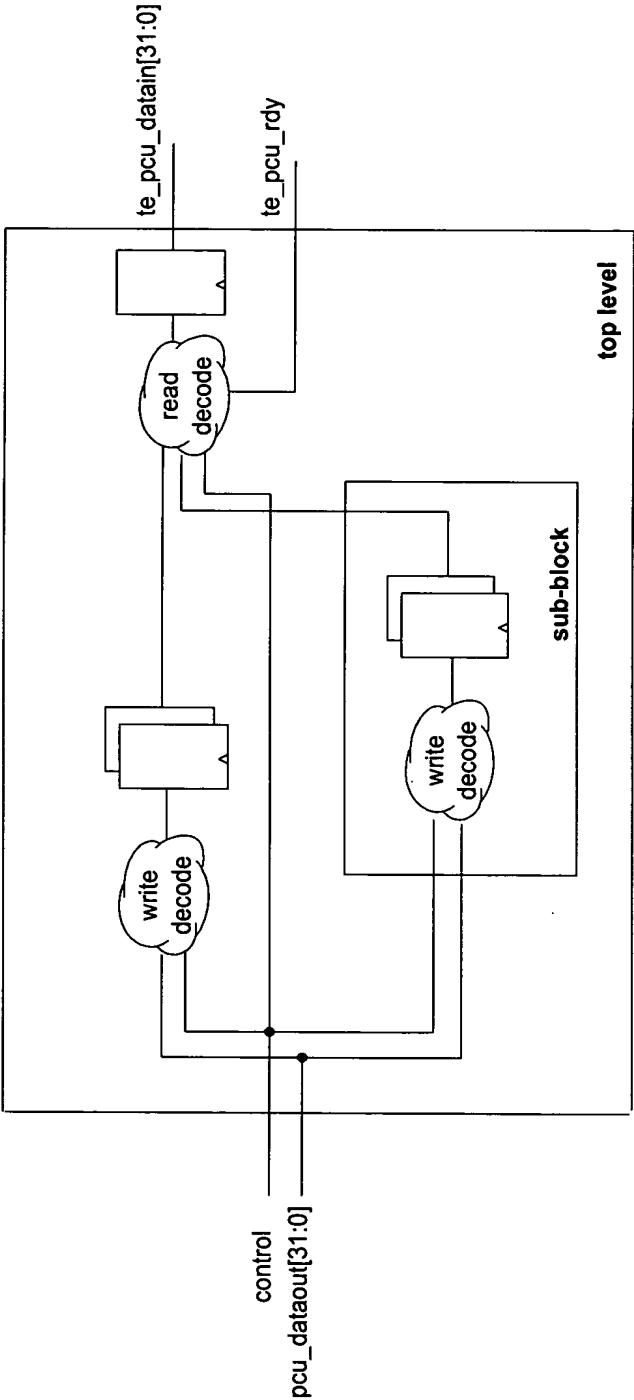


FIG. 189

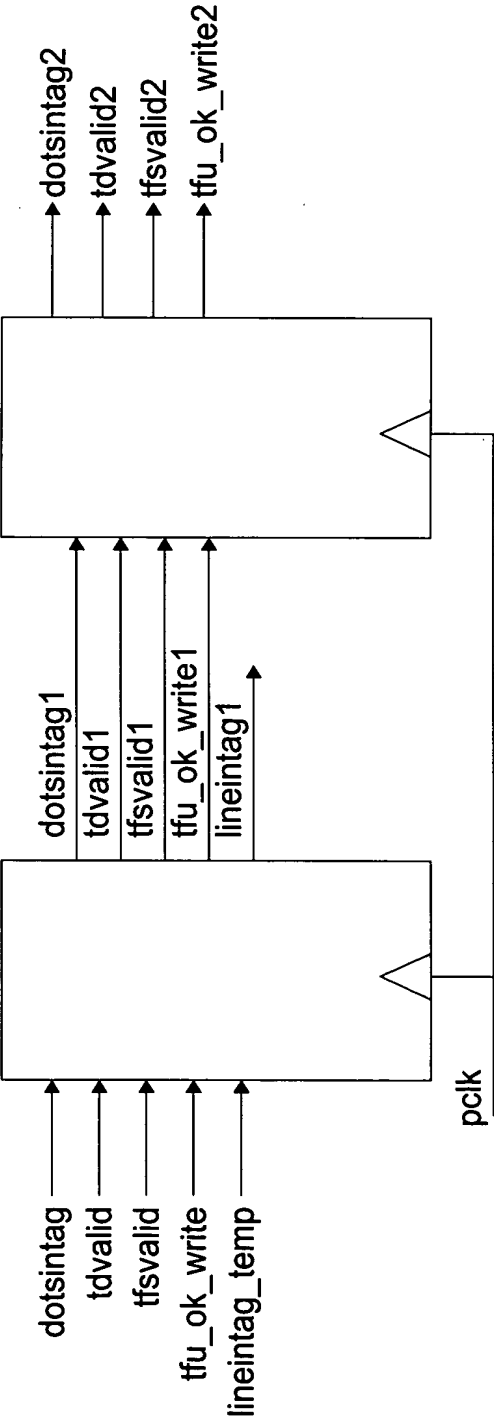


FIG. 191

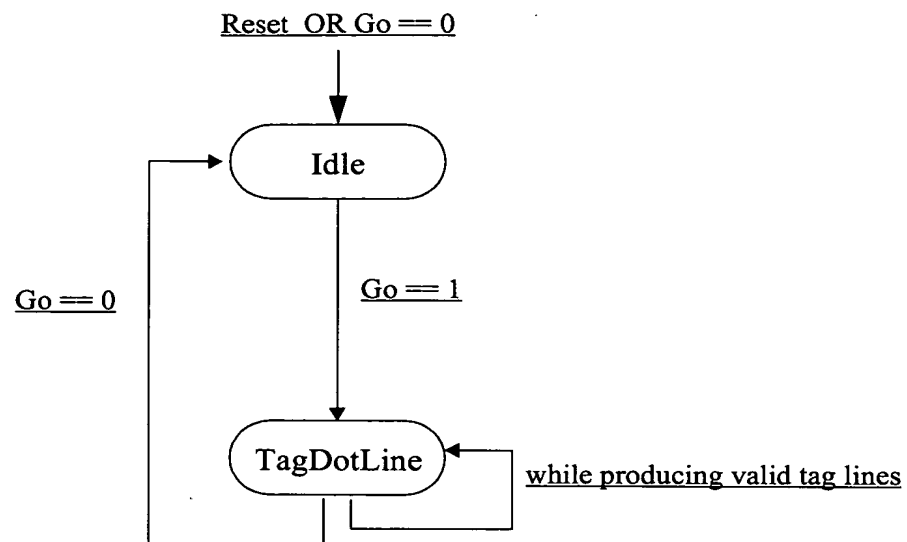


FIG. 190

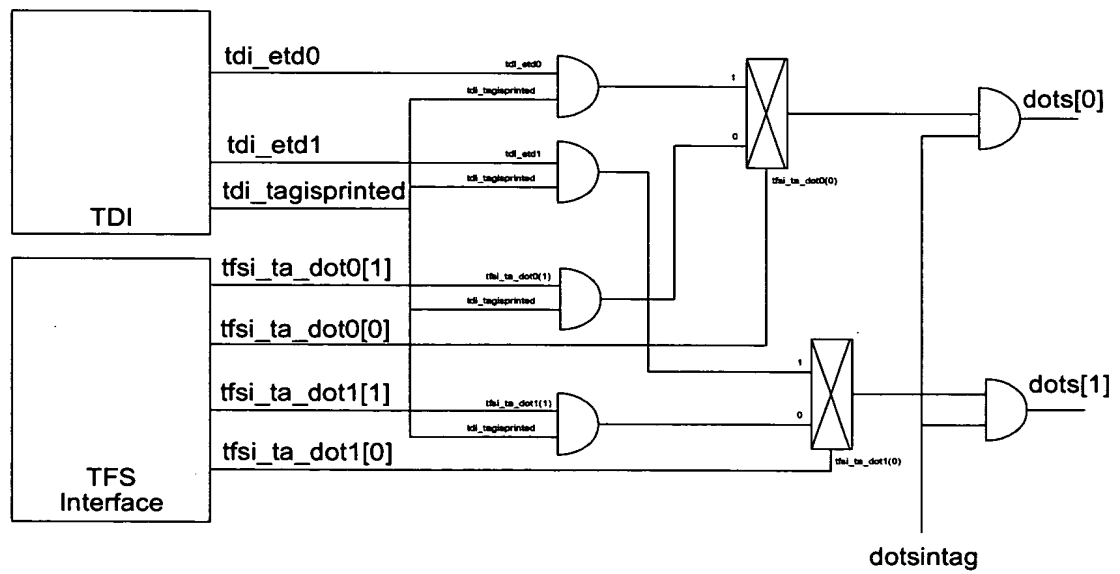


FIG. 192

165/331

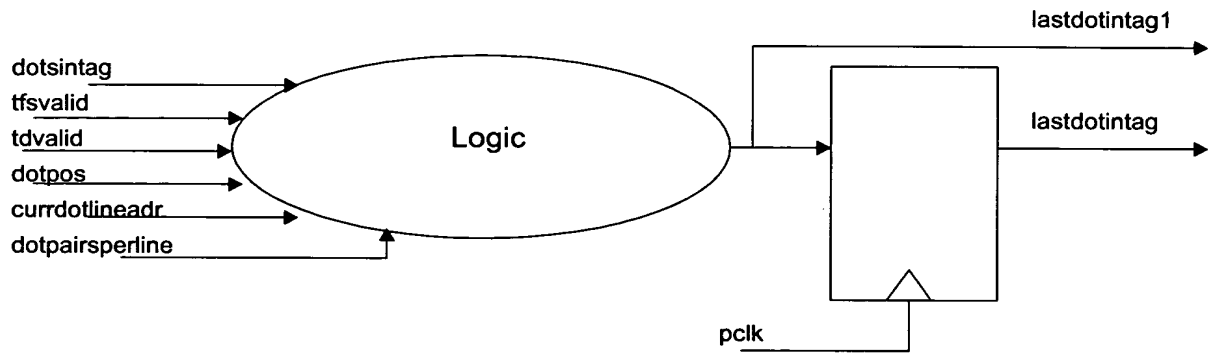


FIG. 193

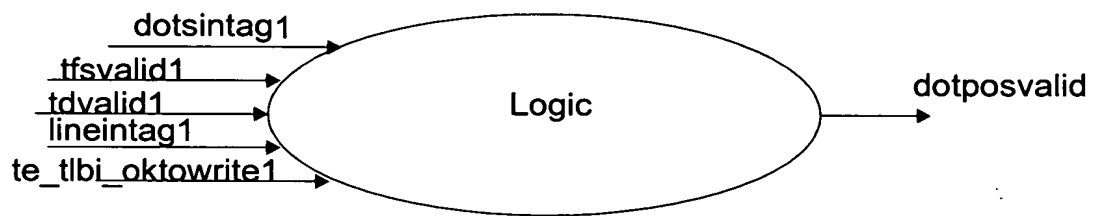


FIG. 194

166/331

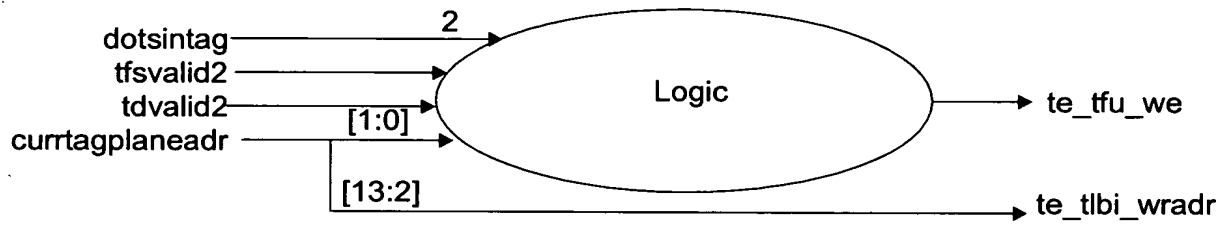


FIG. 195

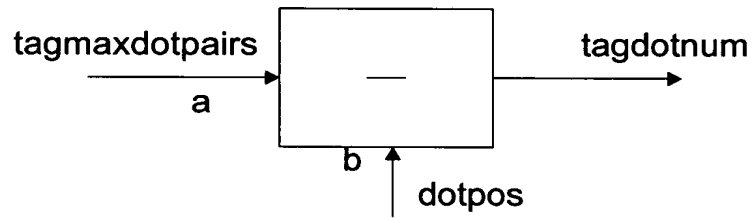


FIG. 196

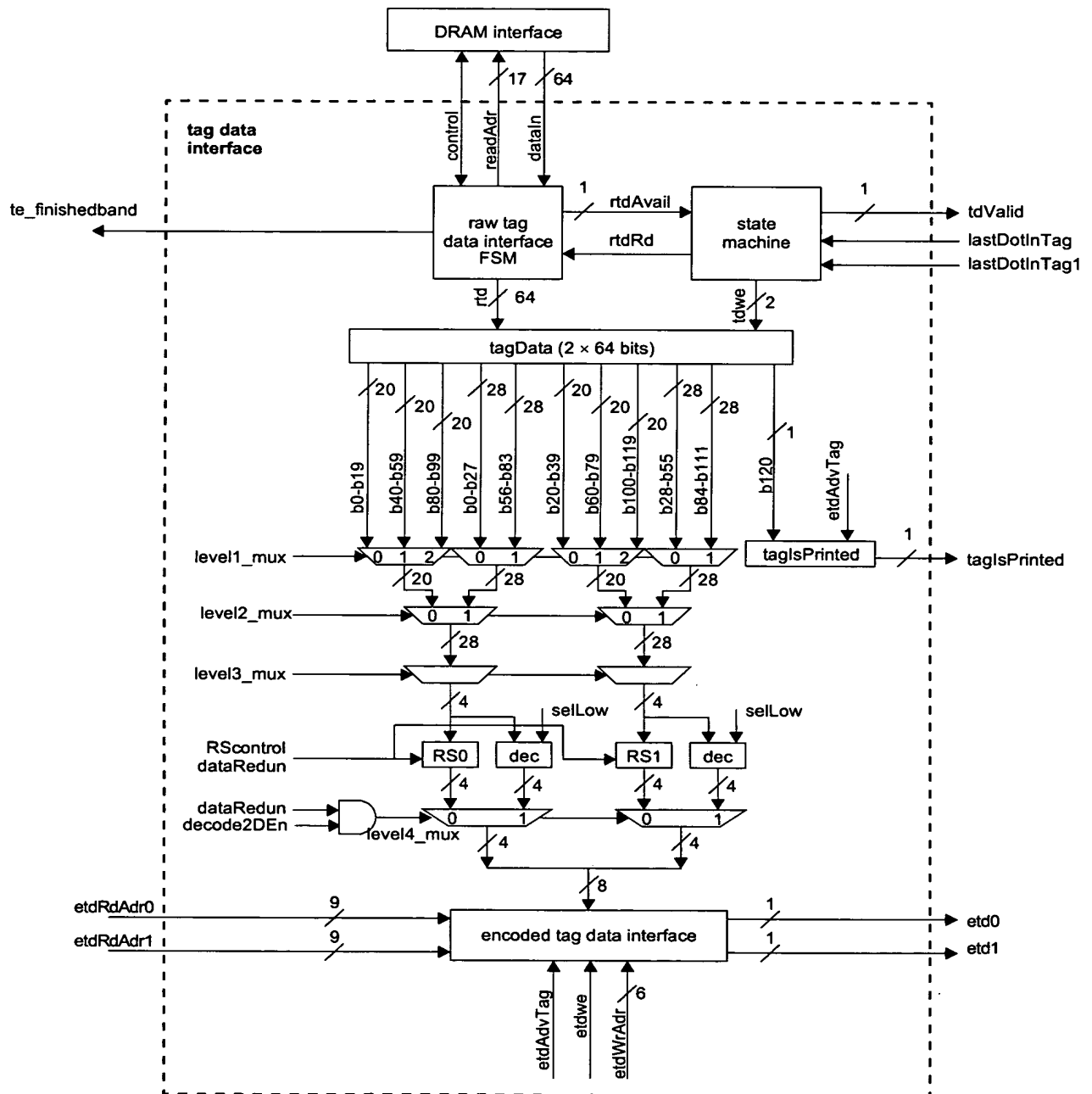


FIG. 197

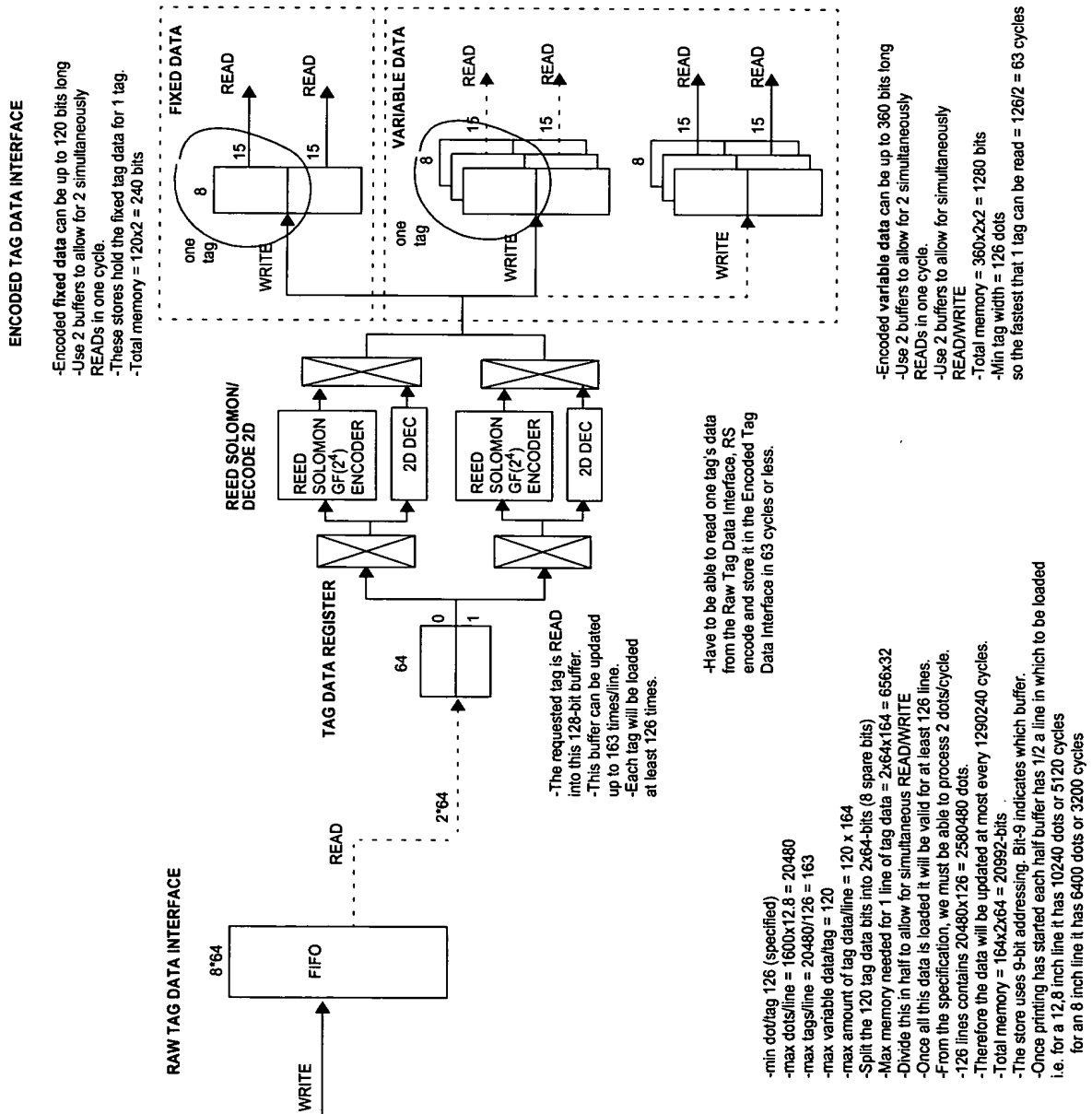


FIG. 198

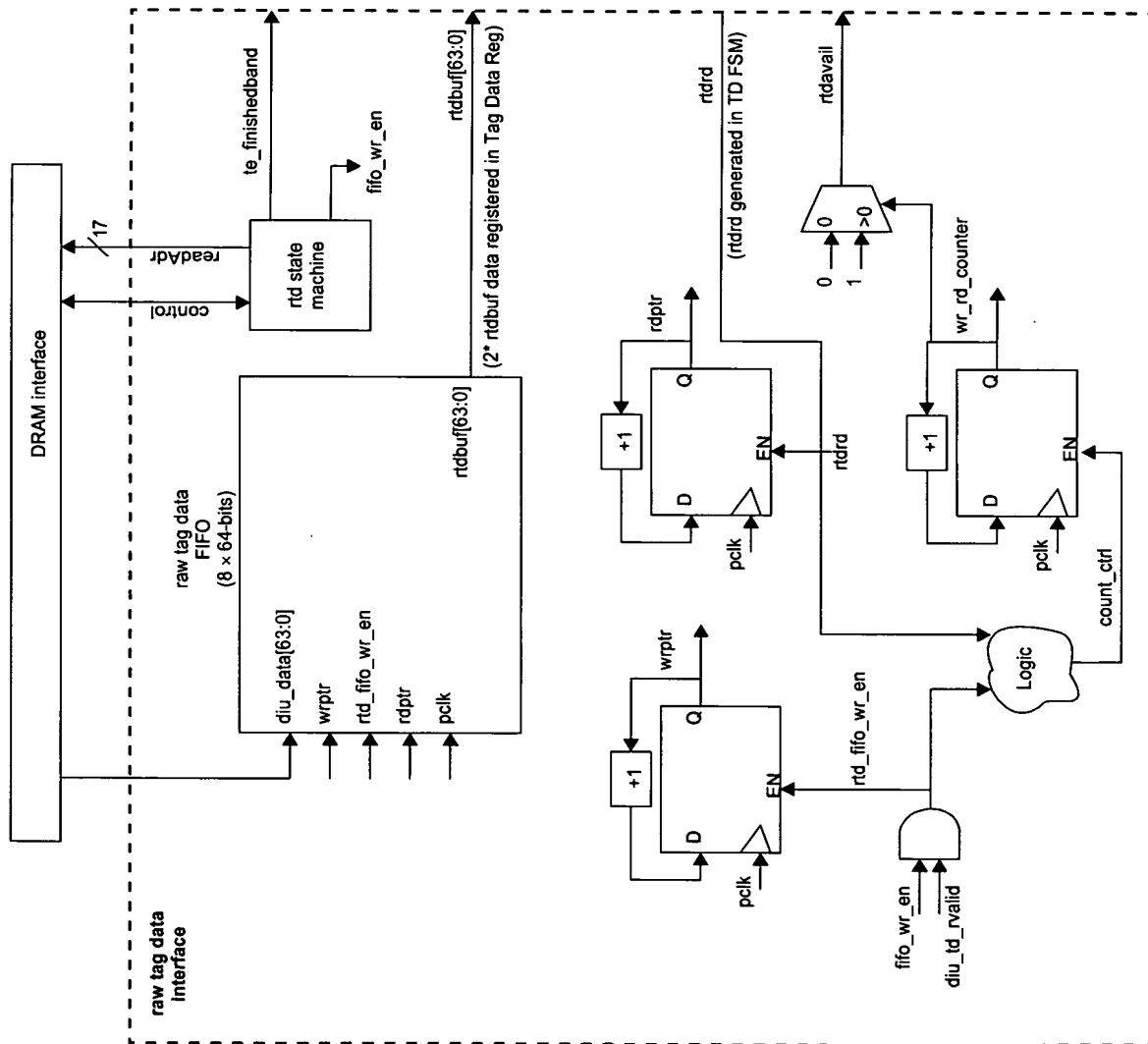


FIG. 199

170/331

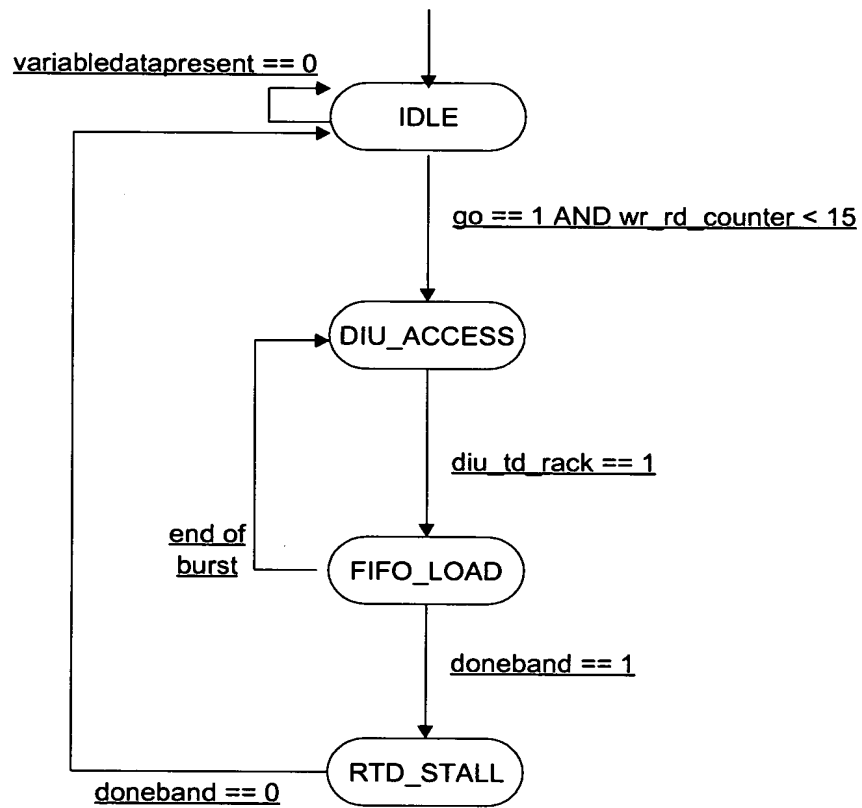


FIG. 200

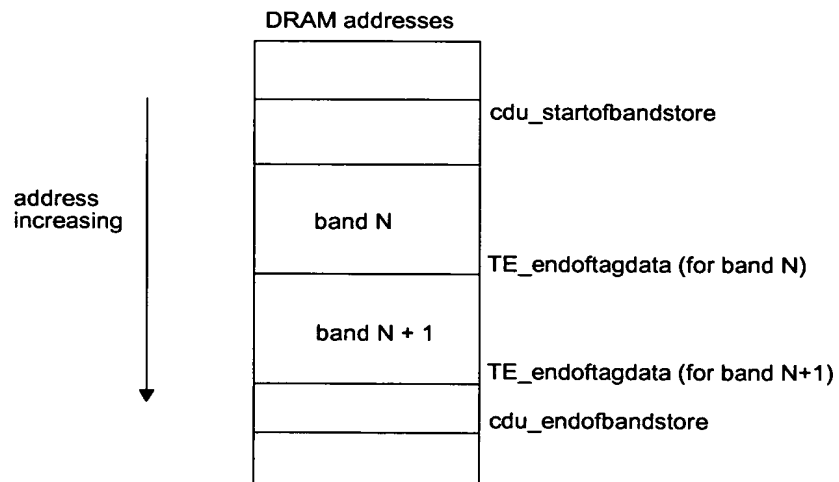


FIG. 201

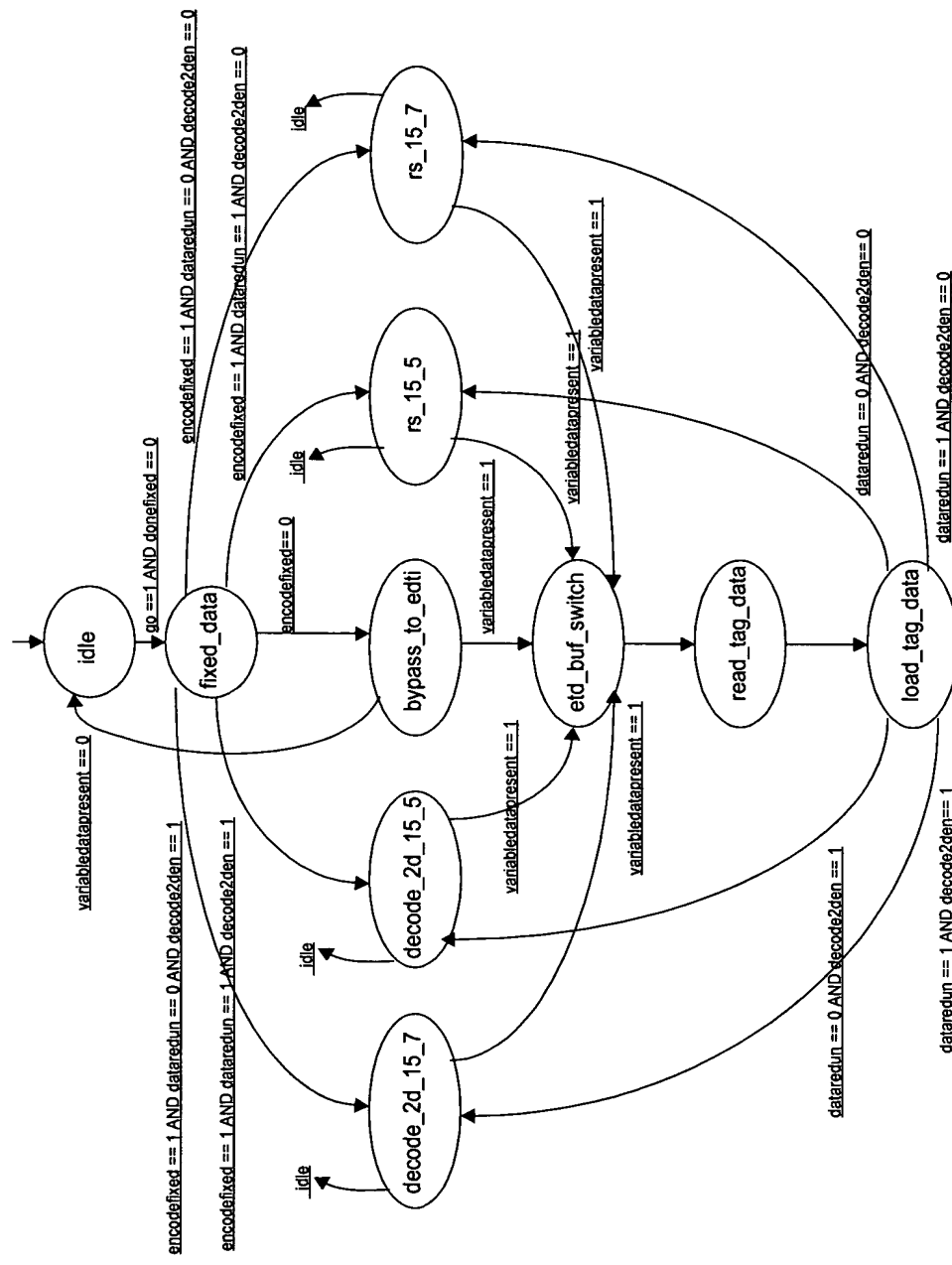


FIG. 202

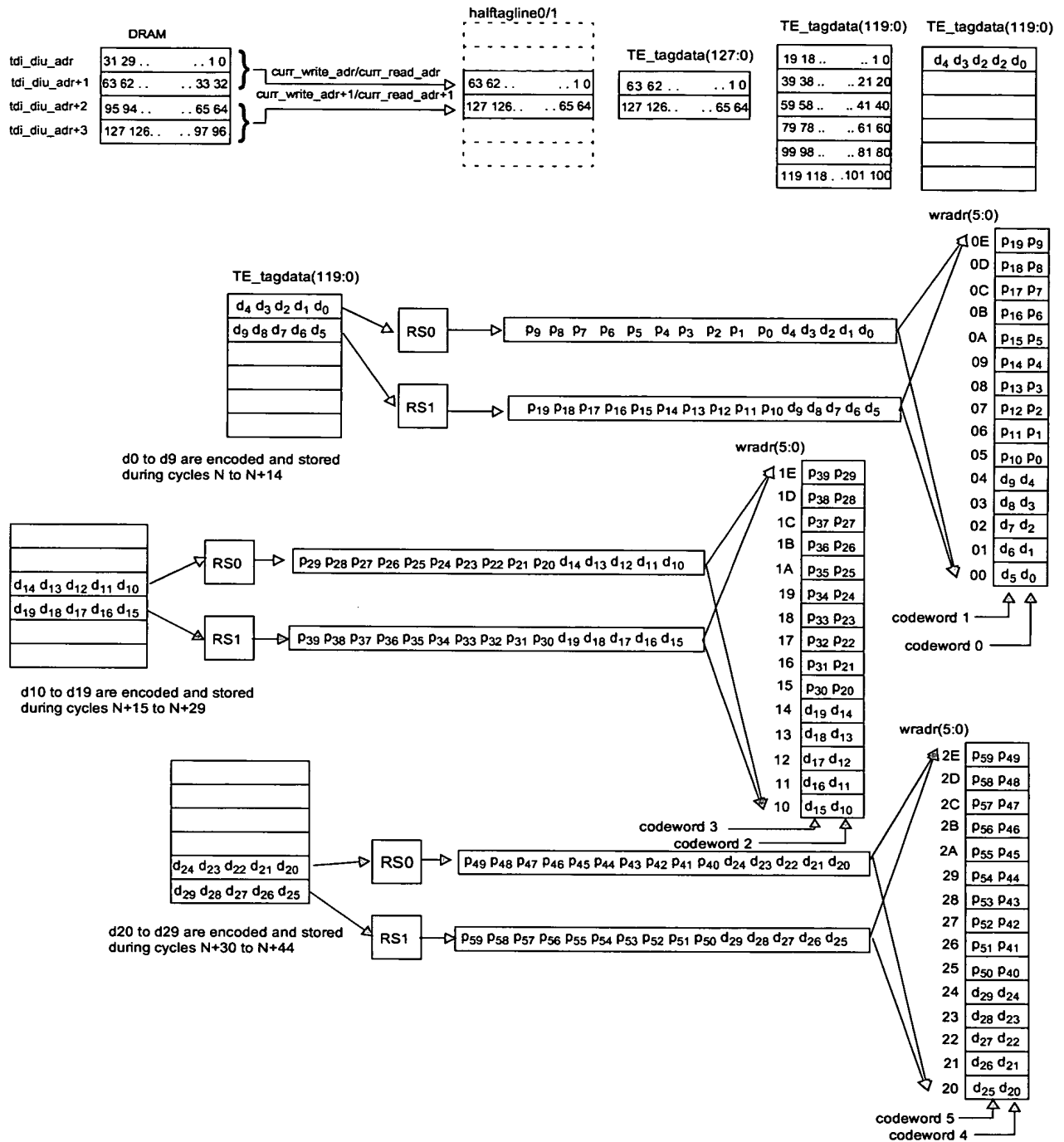


FIG. 203

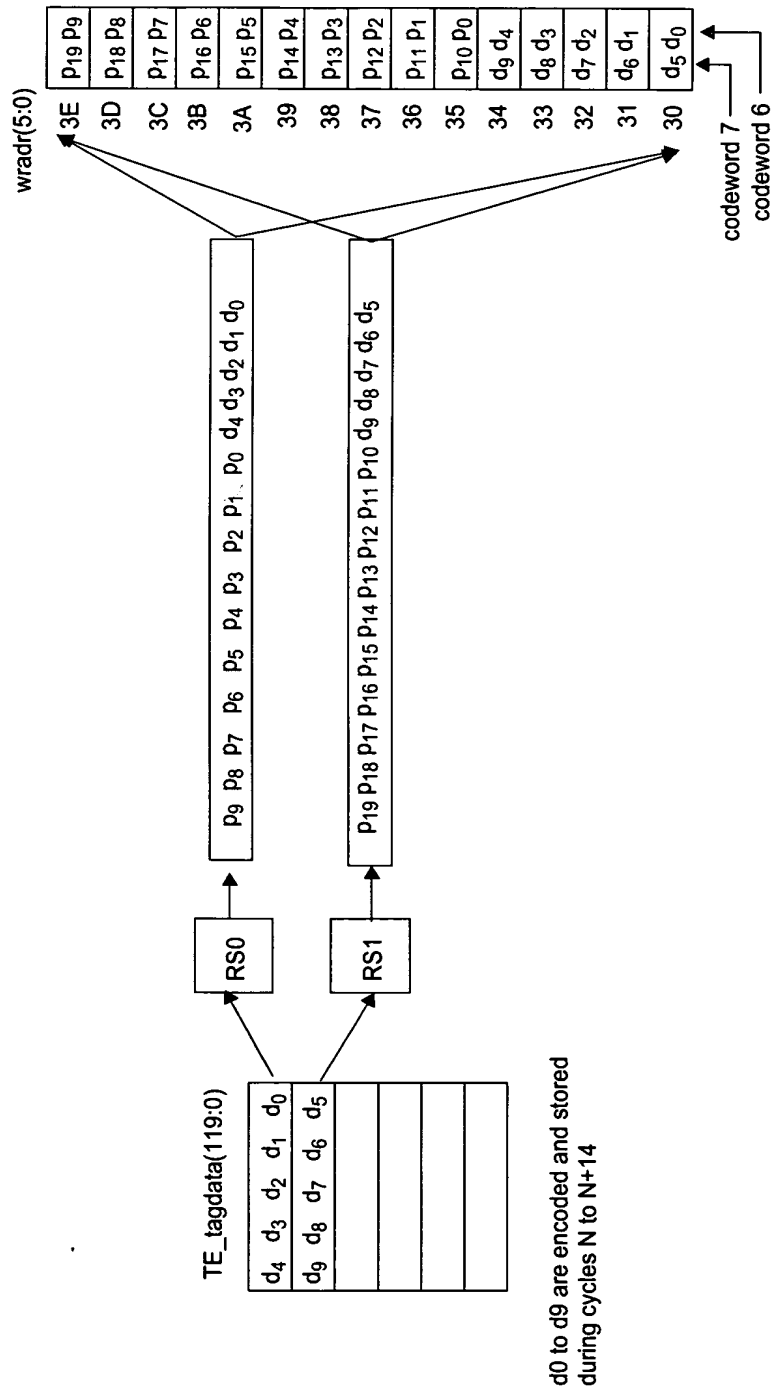


FIG. 204

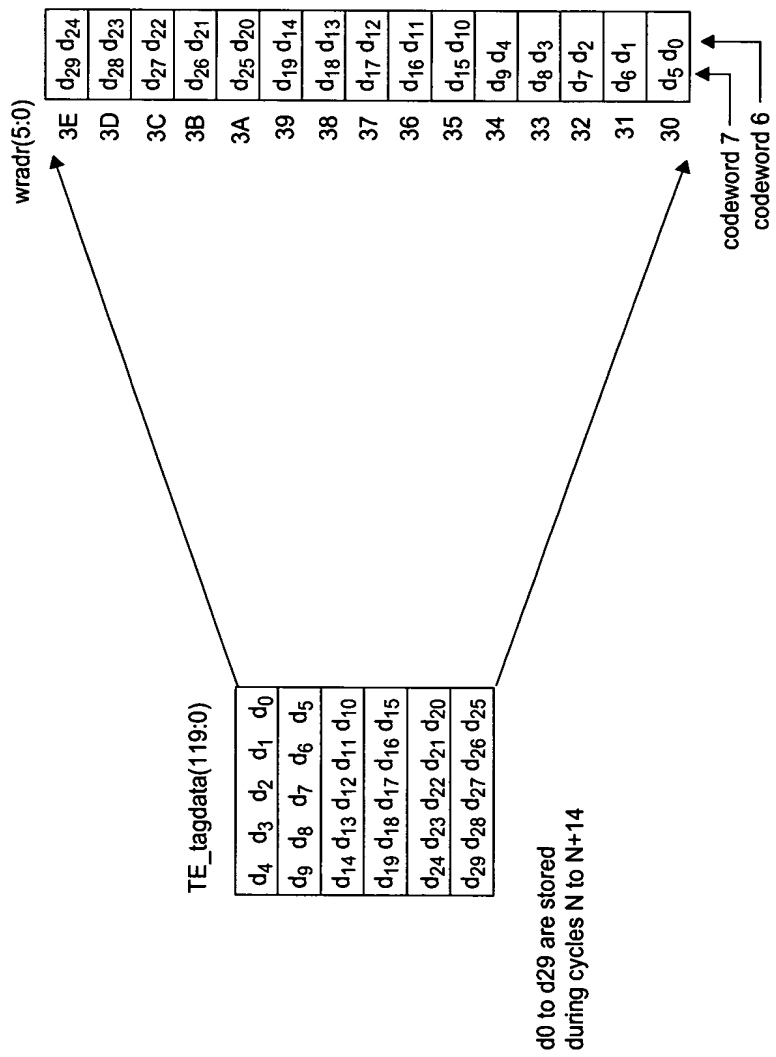


FIG. 205

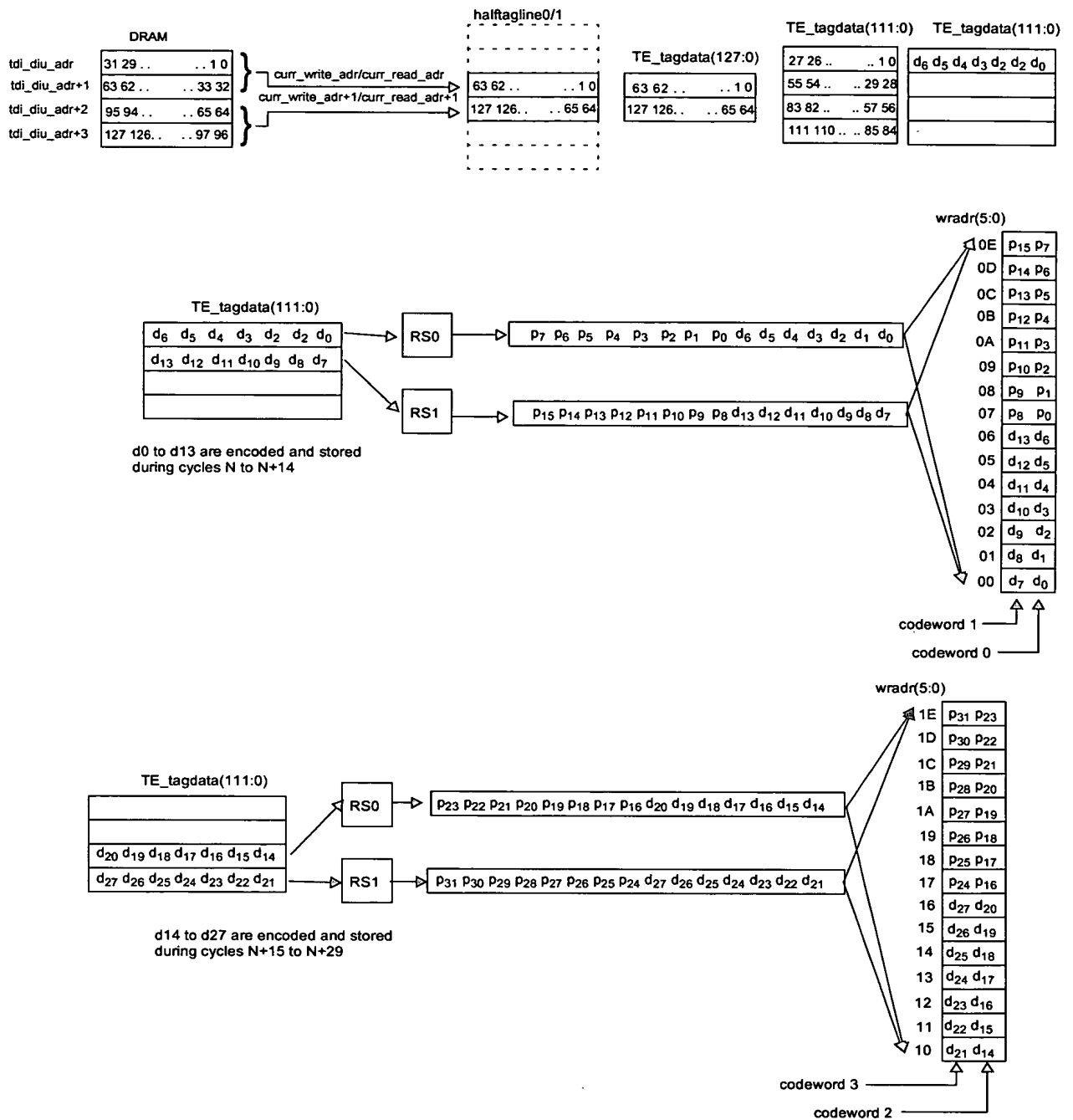


FIG. 206

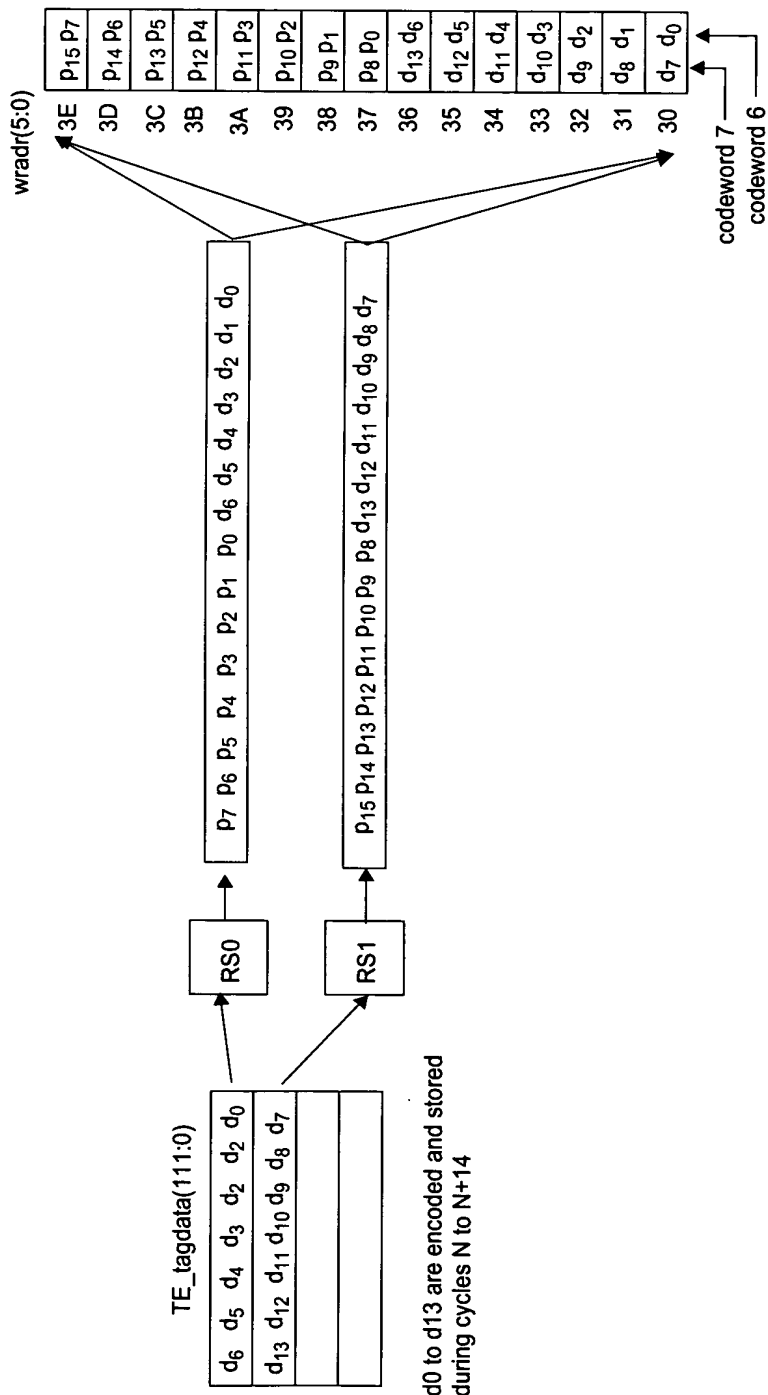


FIG. 207

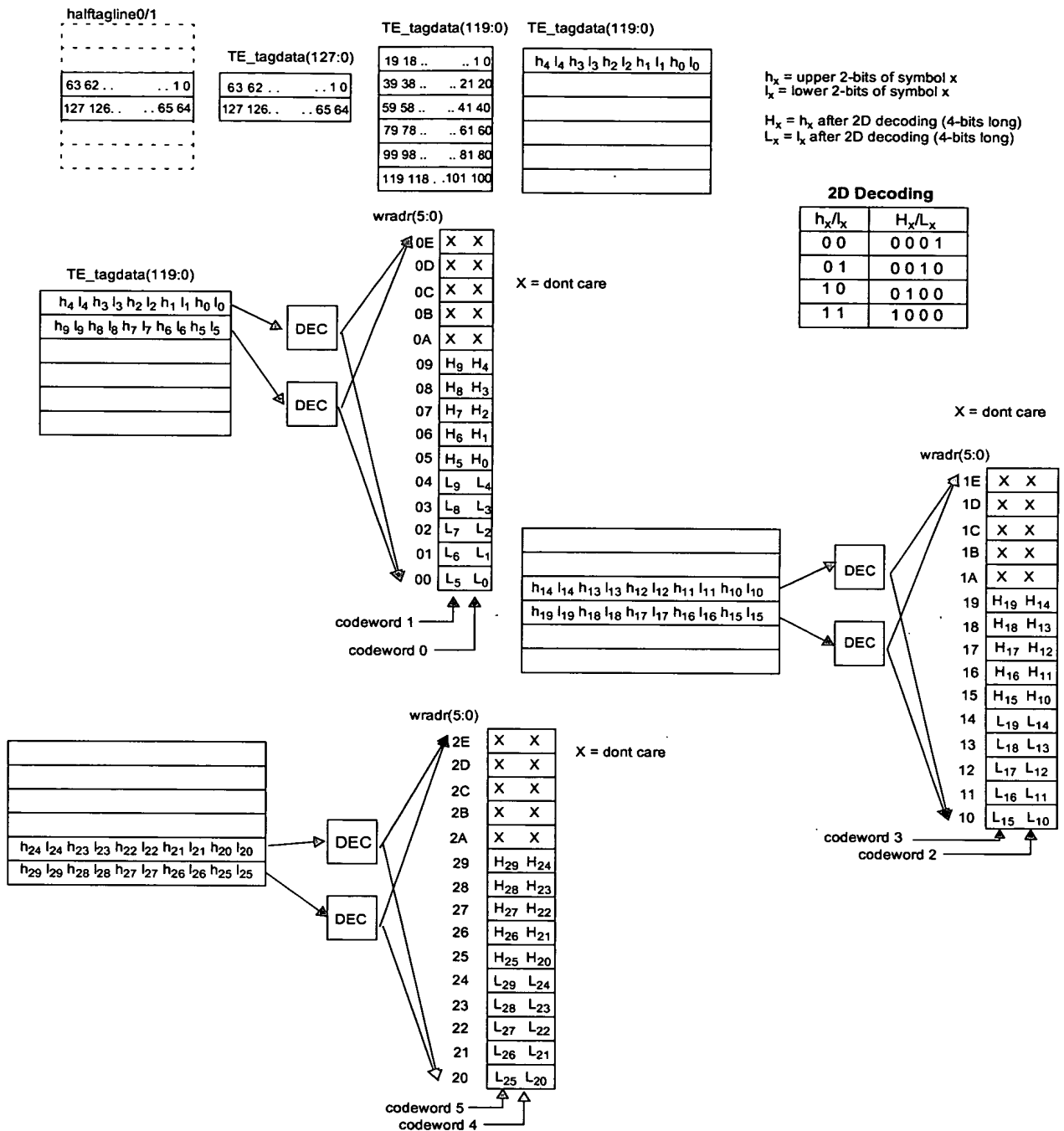


FIG. 208

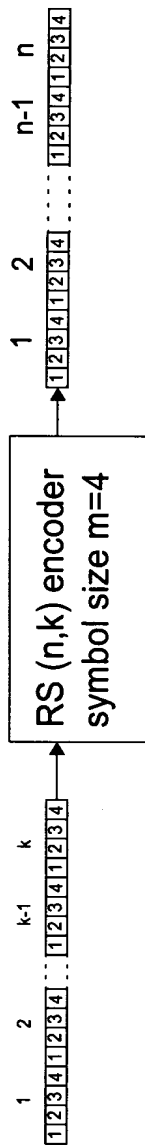


FIG. 209

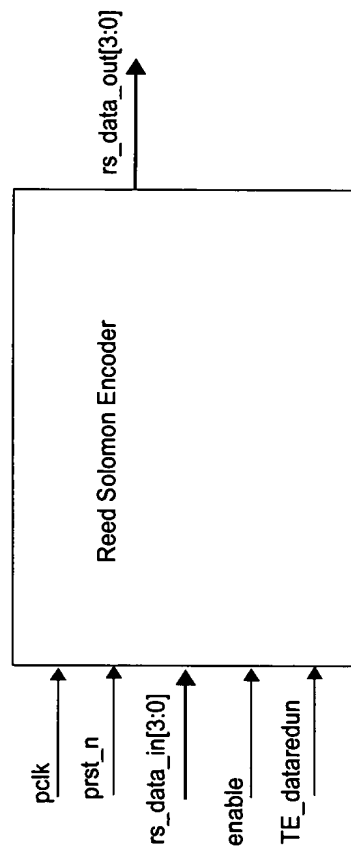


FIG. 210

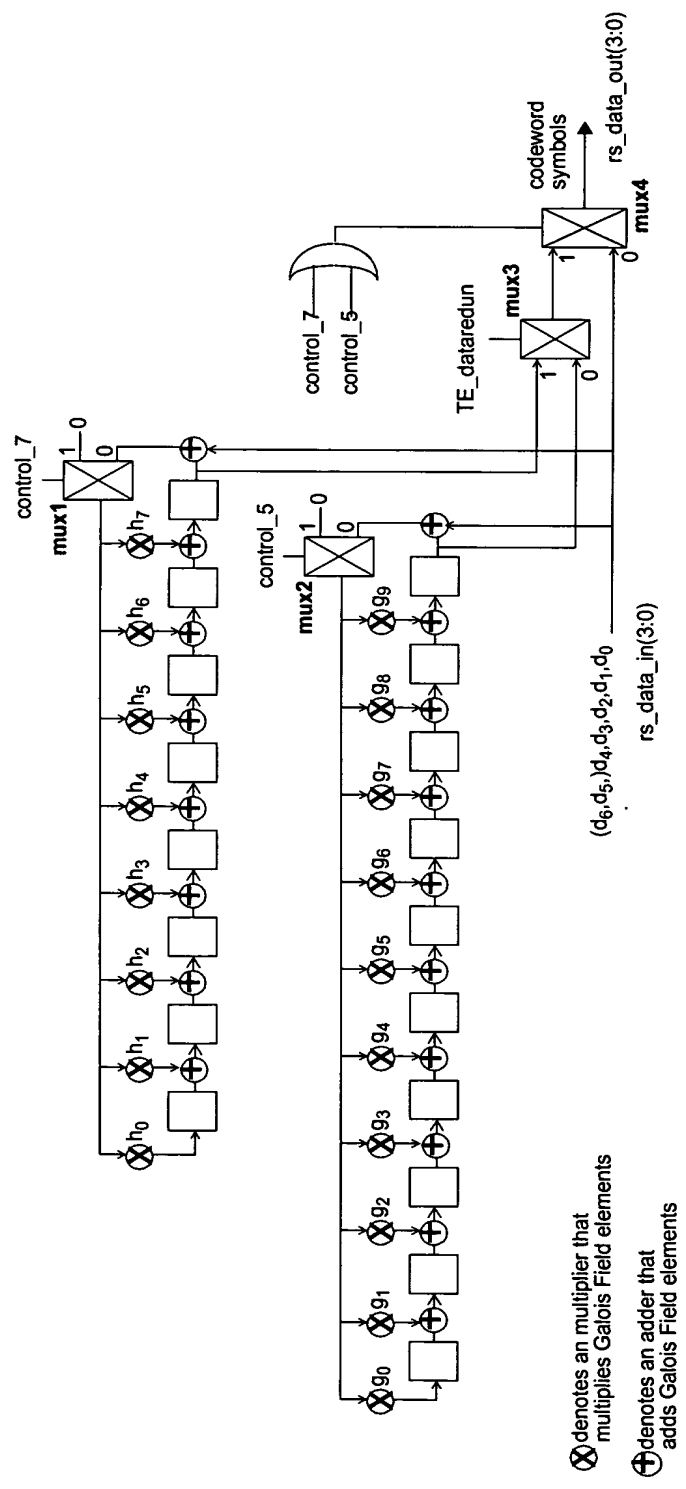


FIG. 211

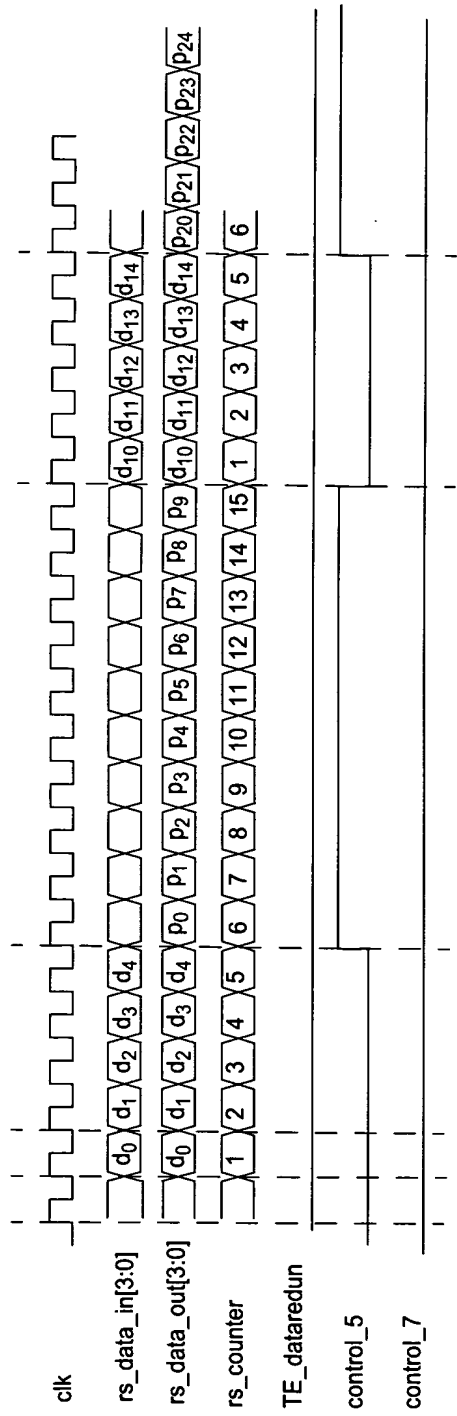


FIG. 212

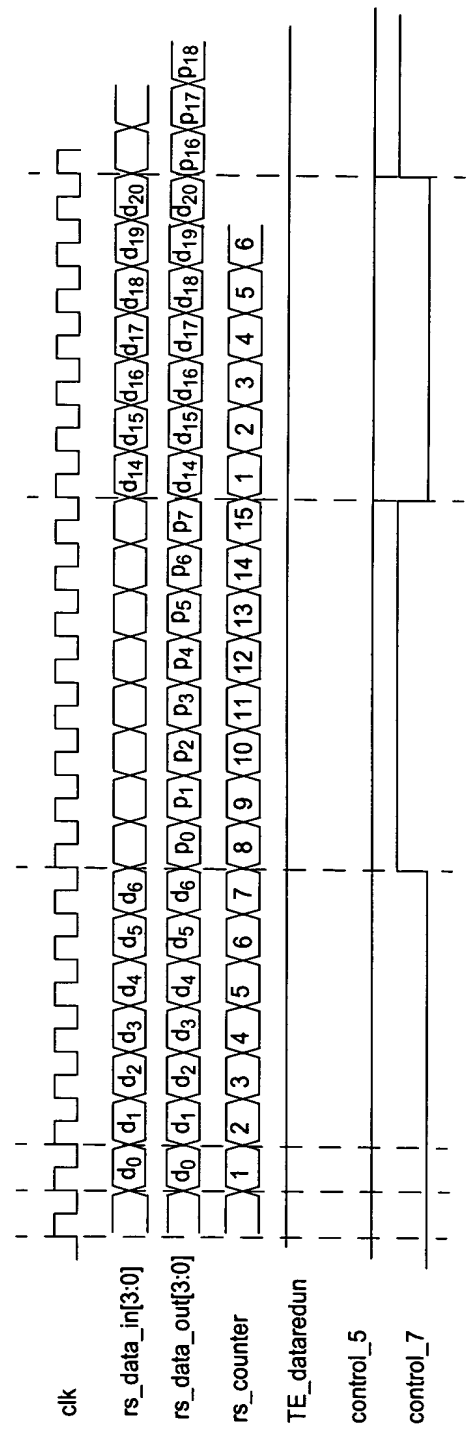


FIG. 213

182/331

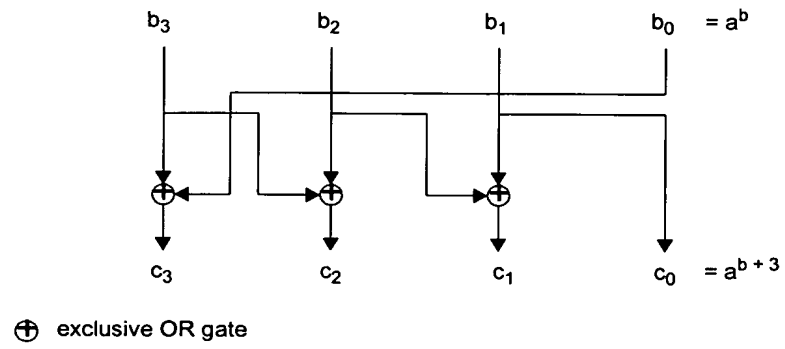


FIG. 214

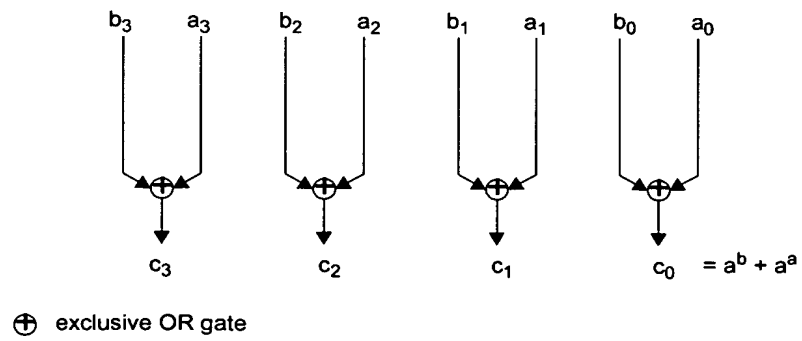


FIG. 215

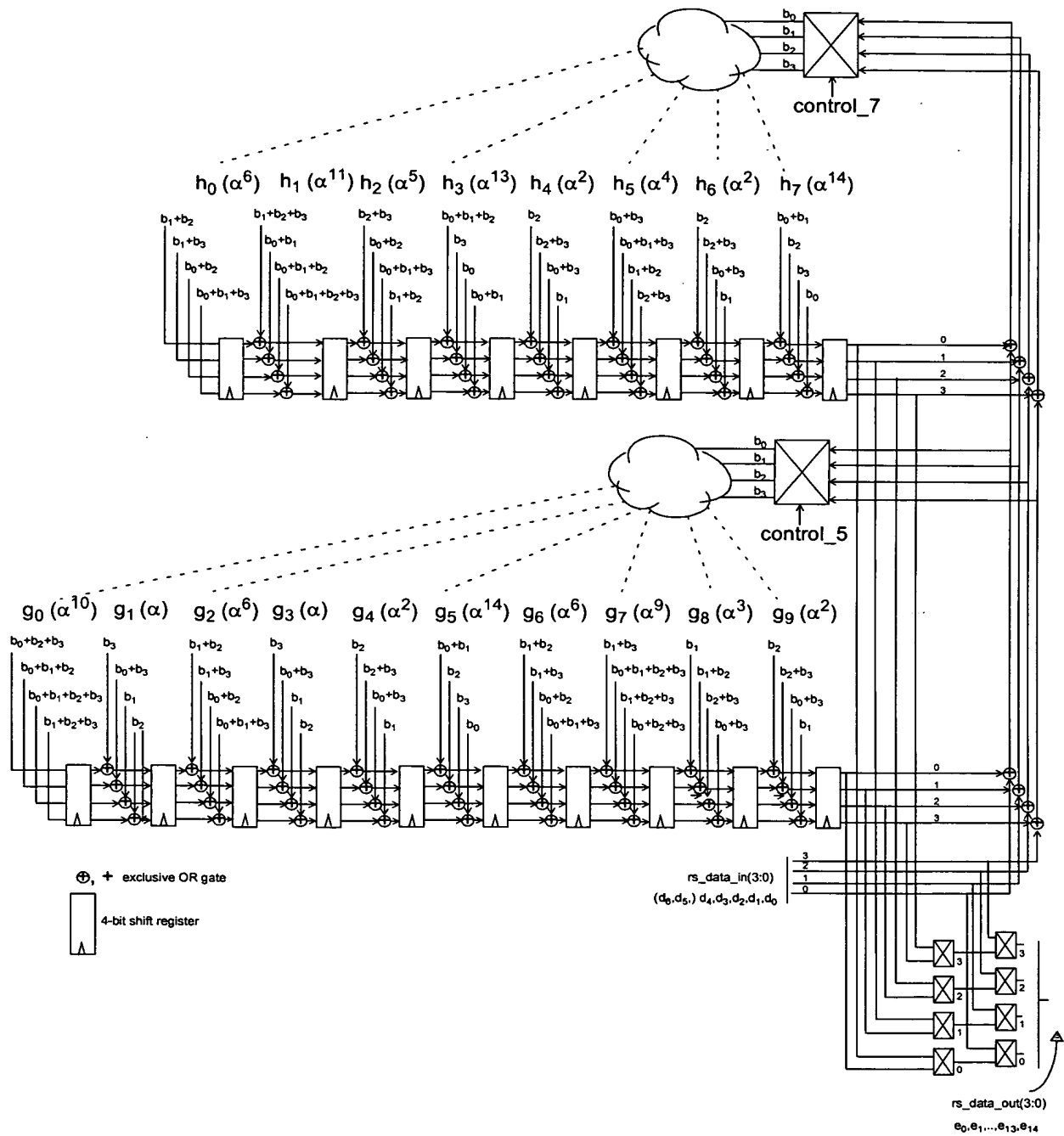


FIG. 216

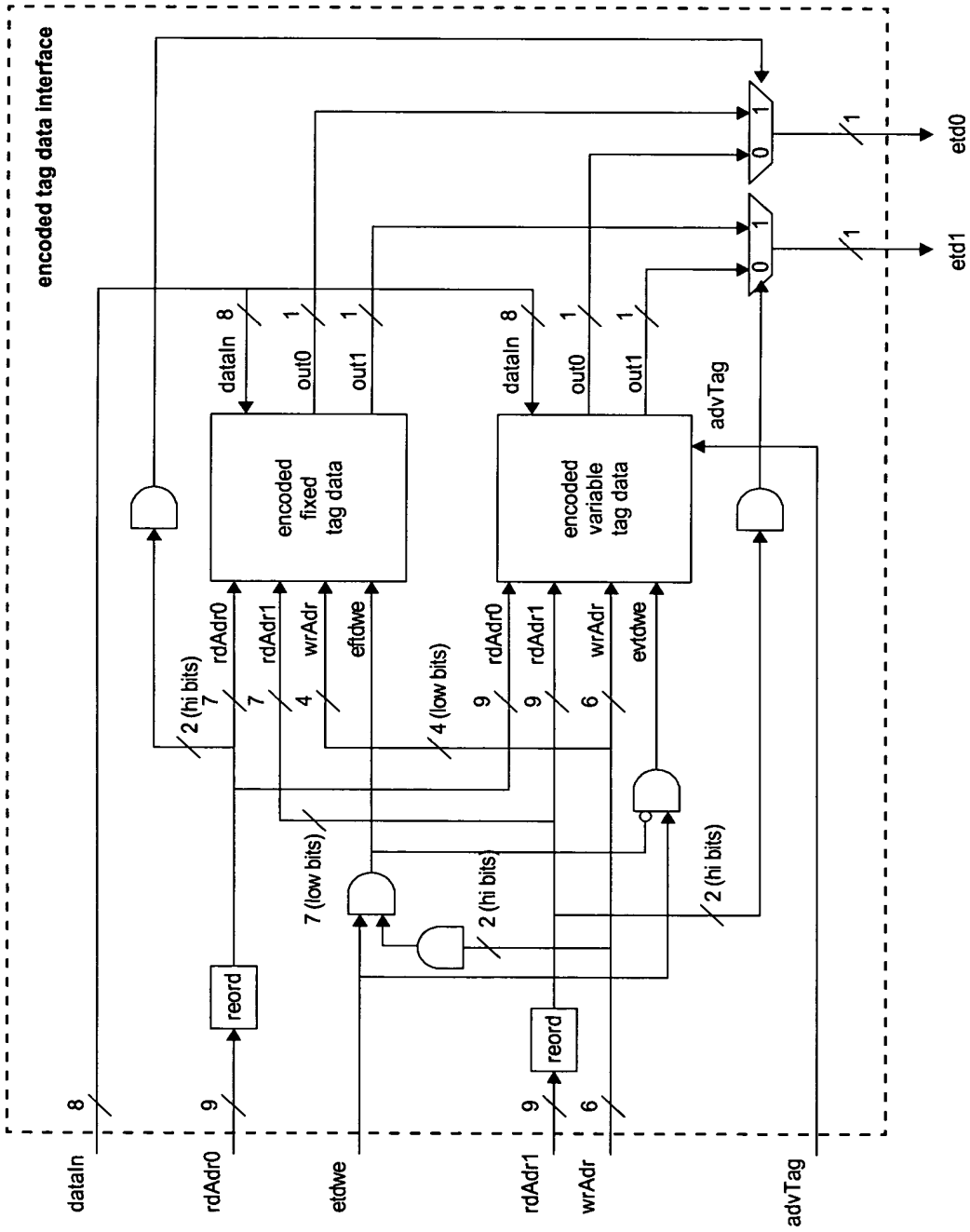


FIG. 217

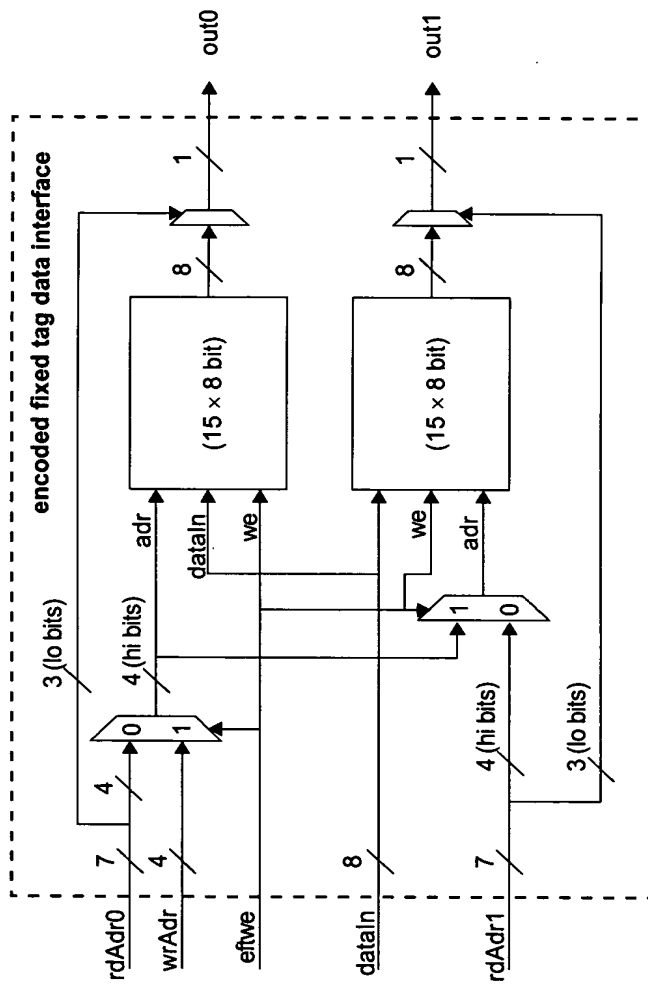


FIG. 218

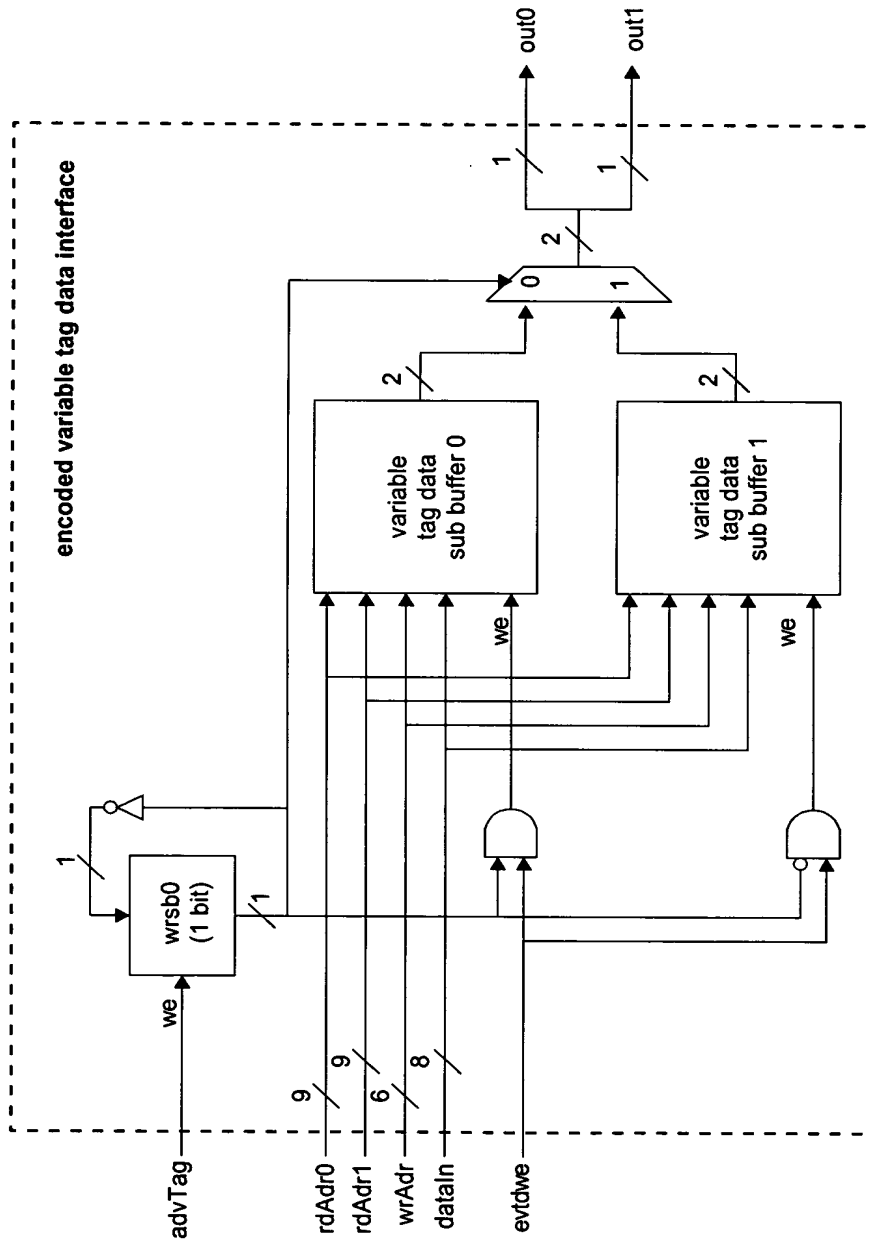


FIG. 219

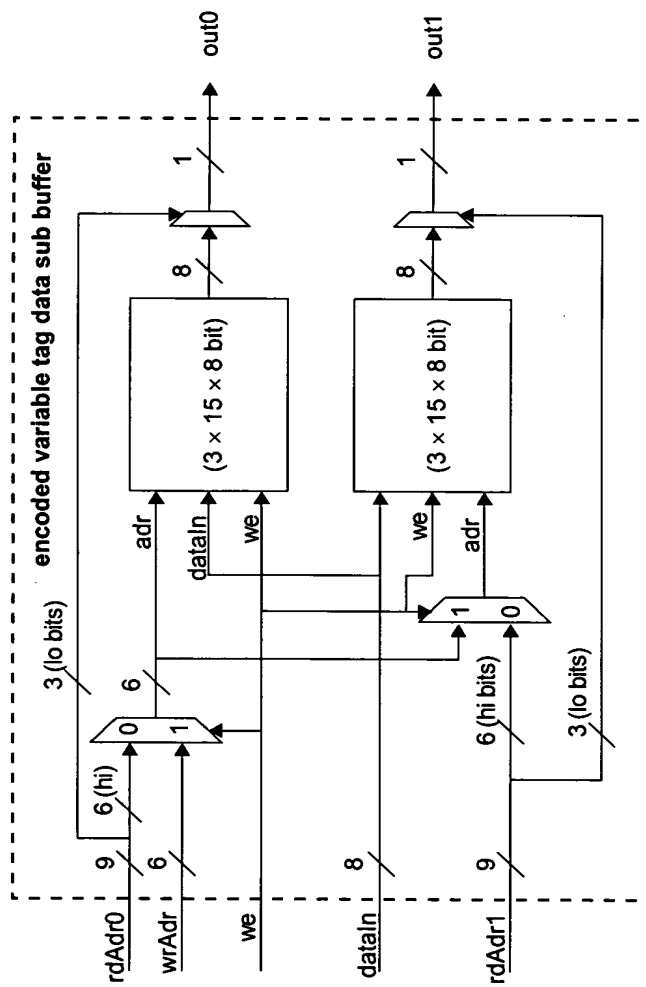


FIG. 220

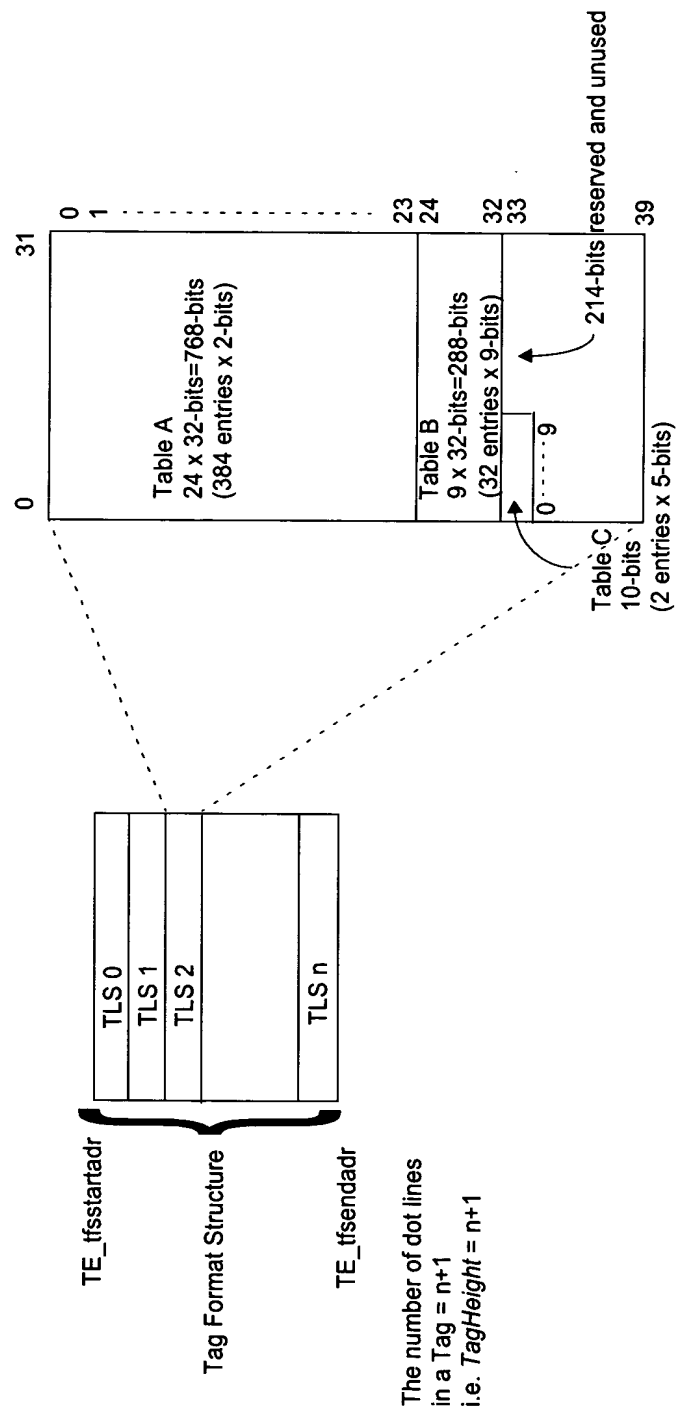


FIG. 221

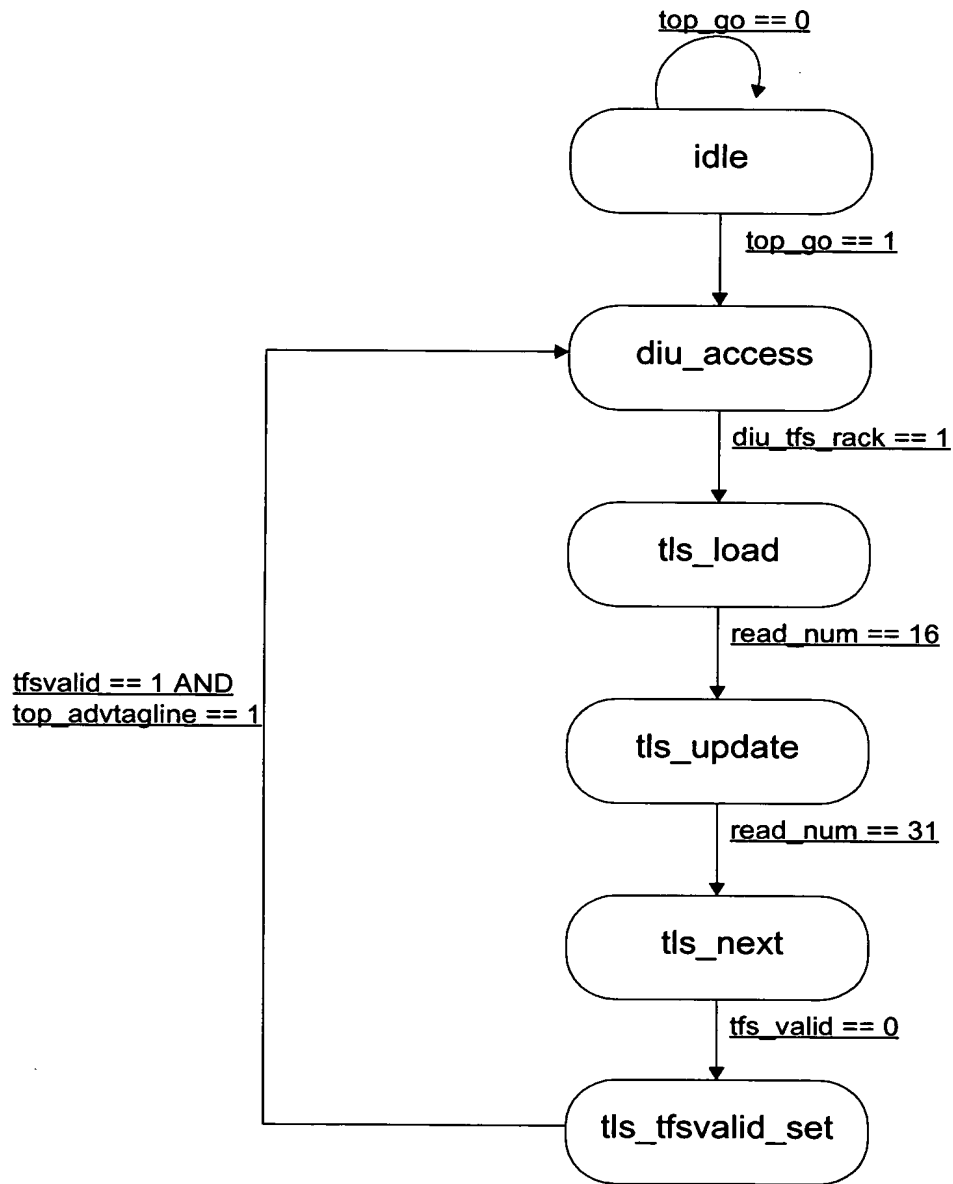


FIG. 222

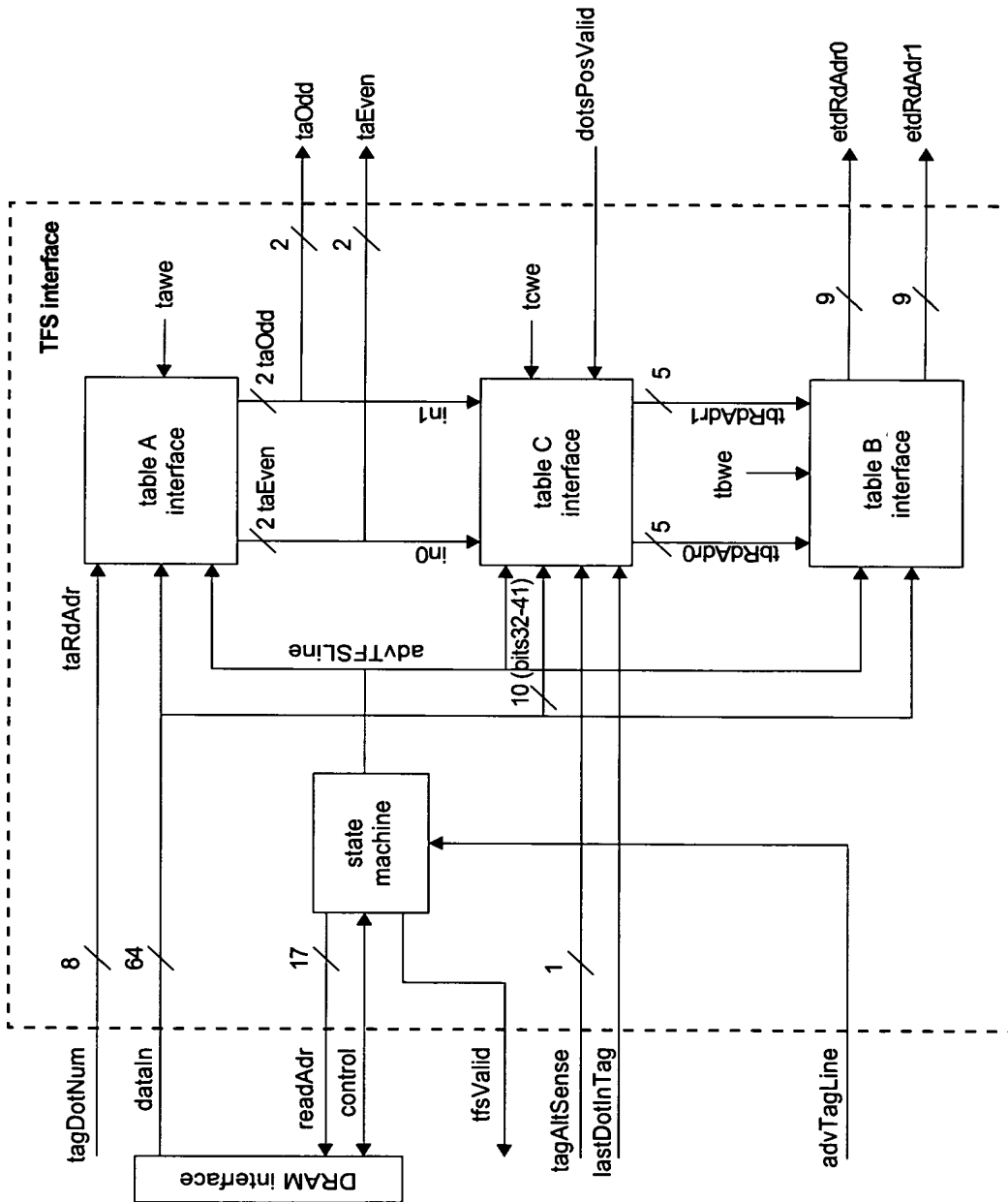


FIG. 223

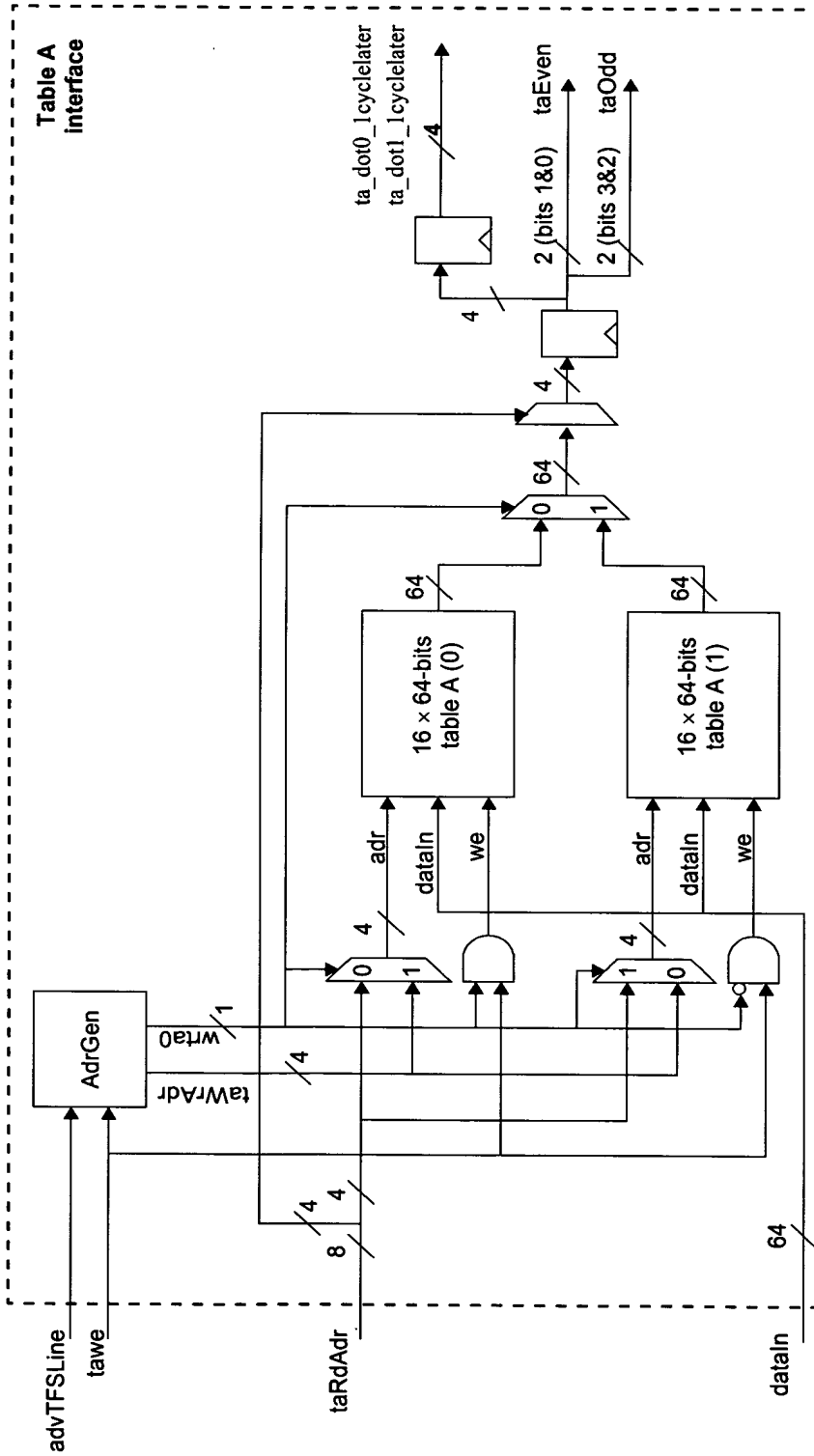


FIG. 224

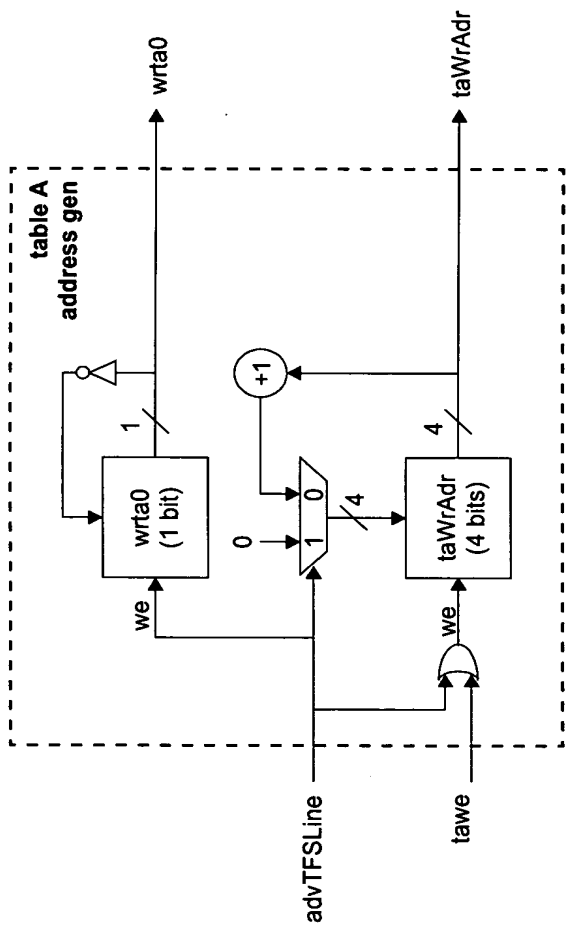


FIG. 225

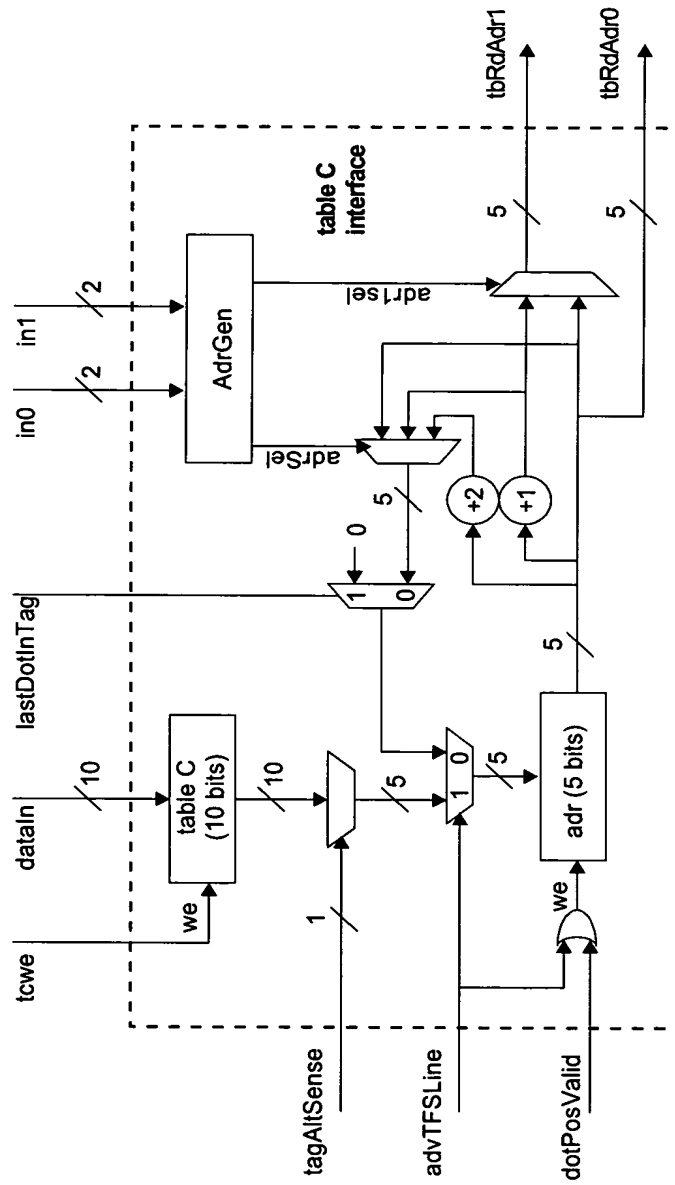


FIG. 226

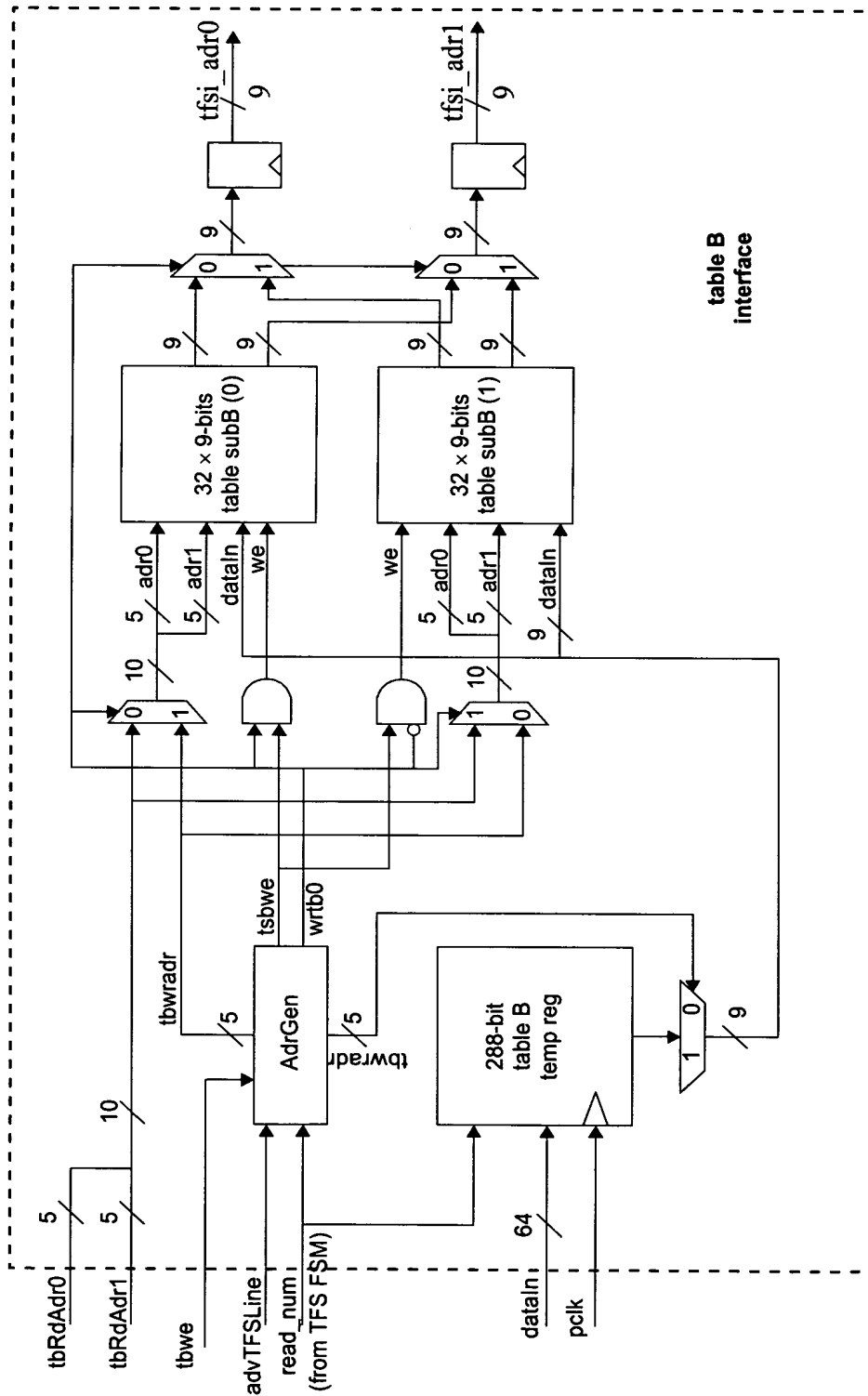


FIG. 227

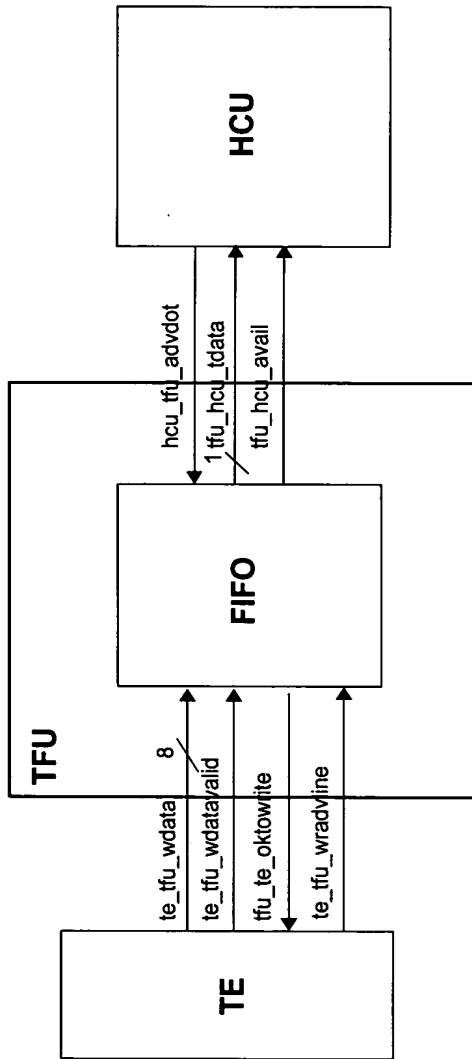


FIG. 228

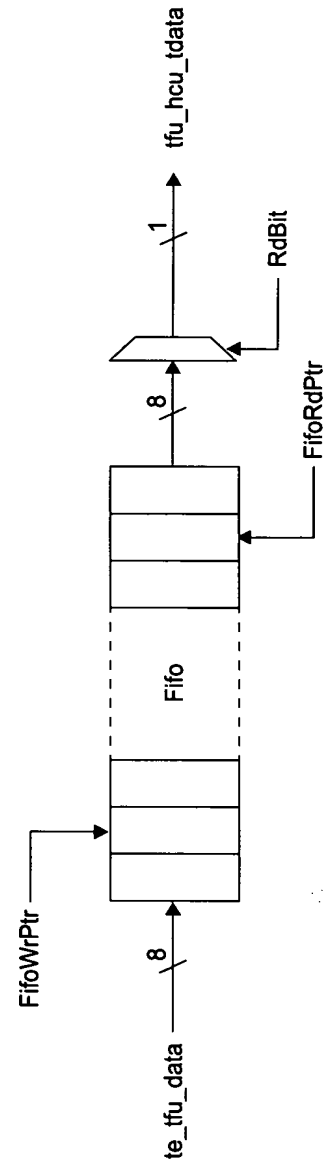


FIG. 229

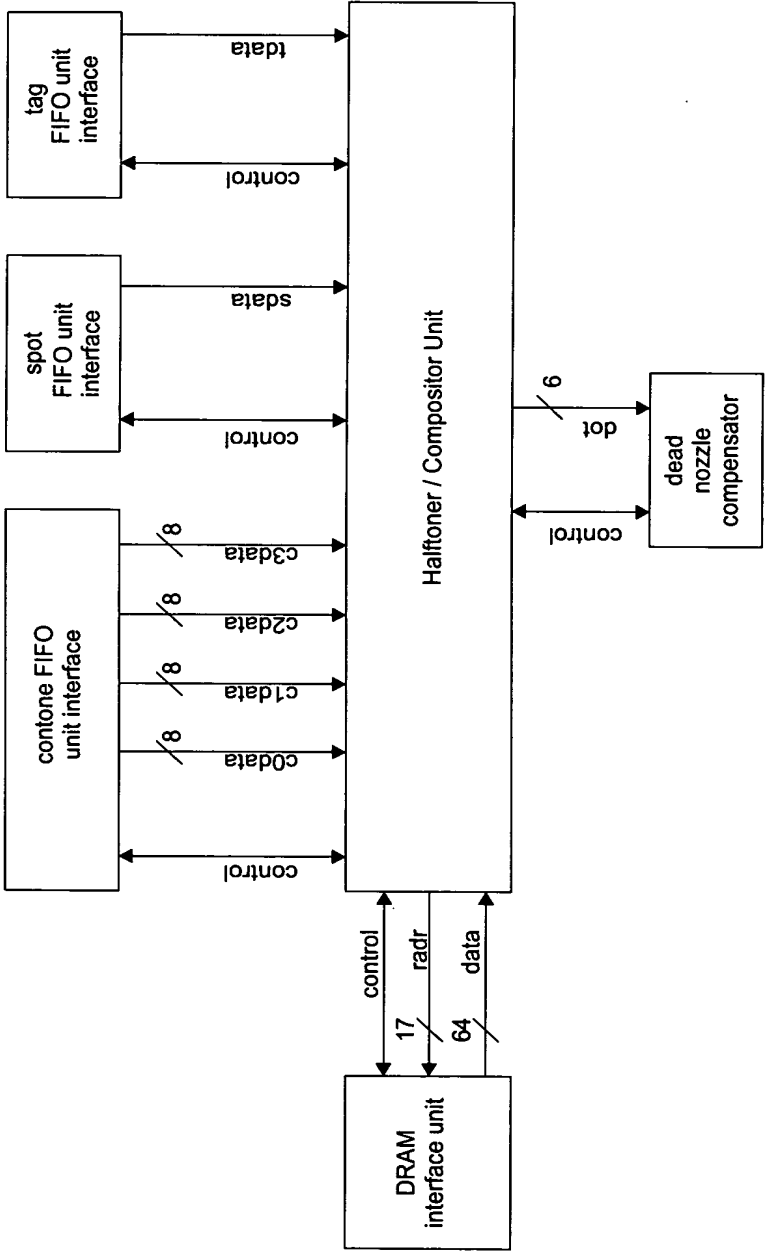


FIG. 230

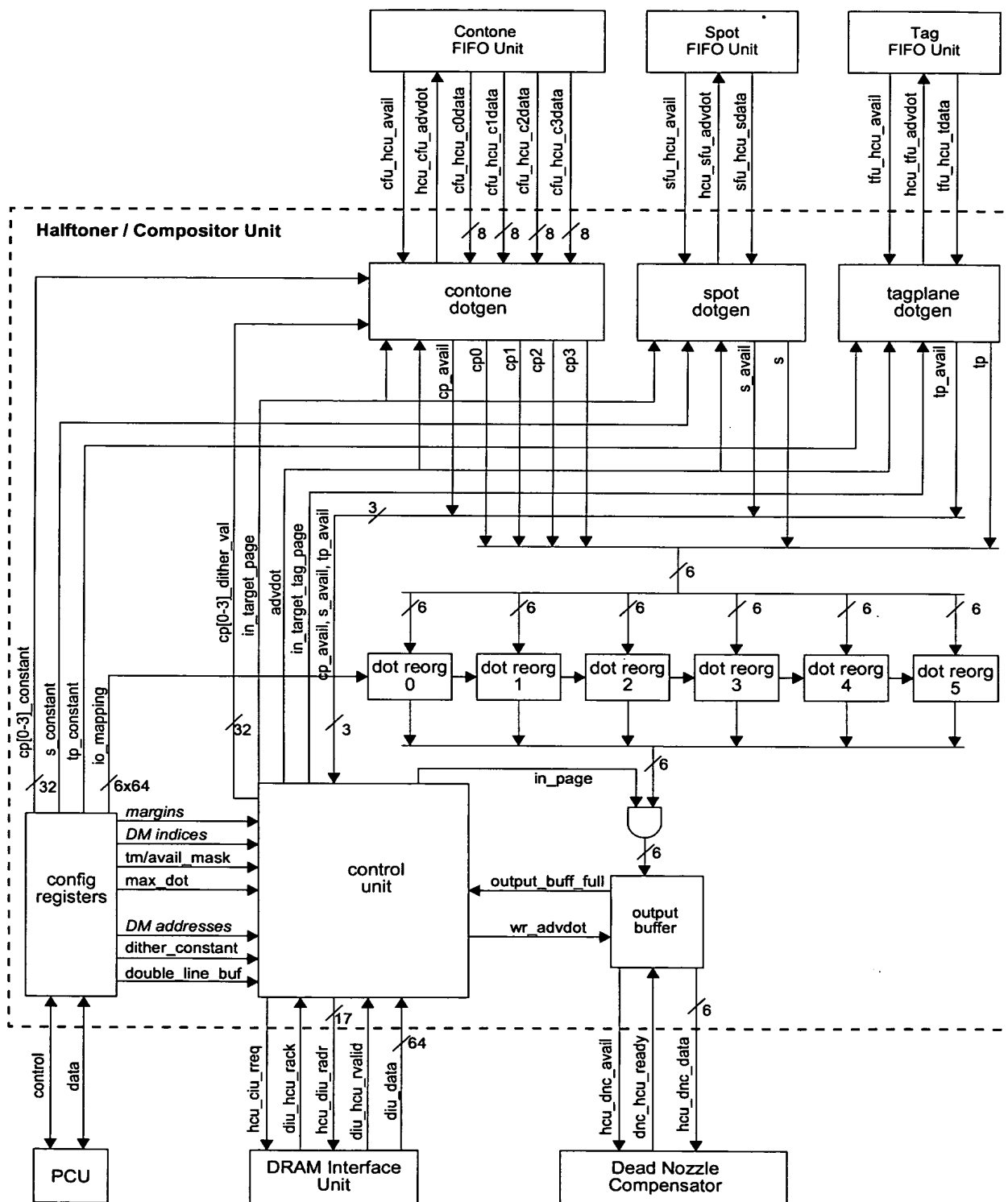


FIG. 231

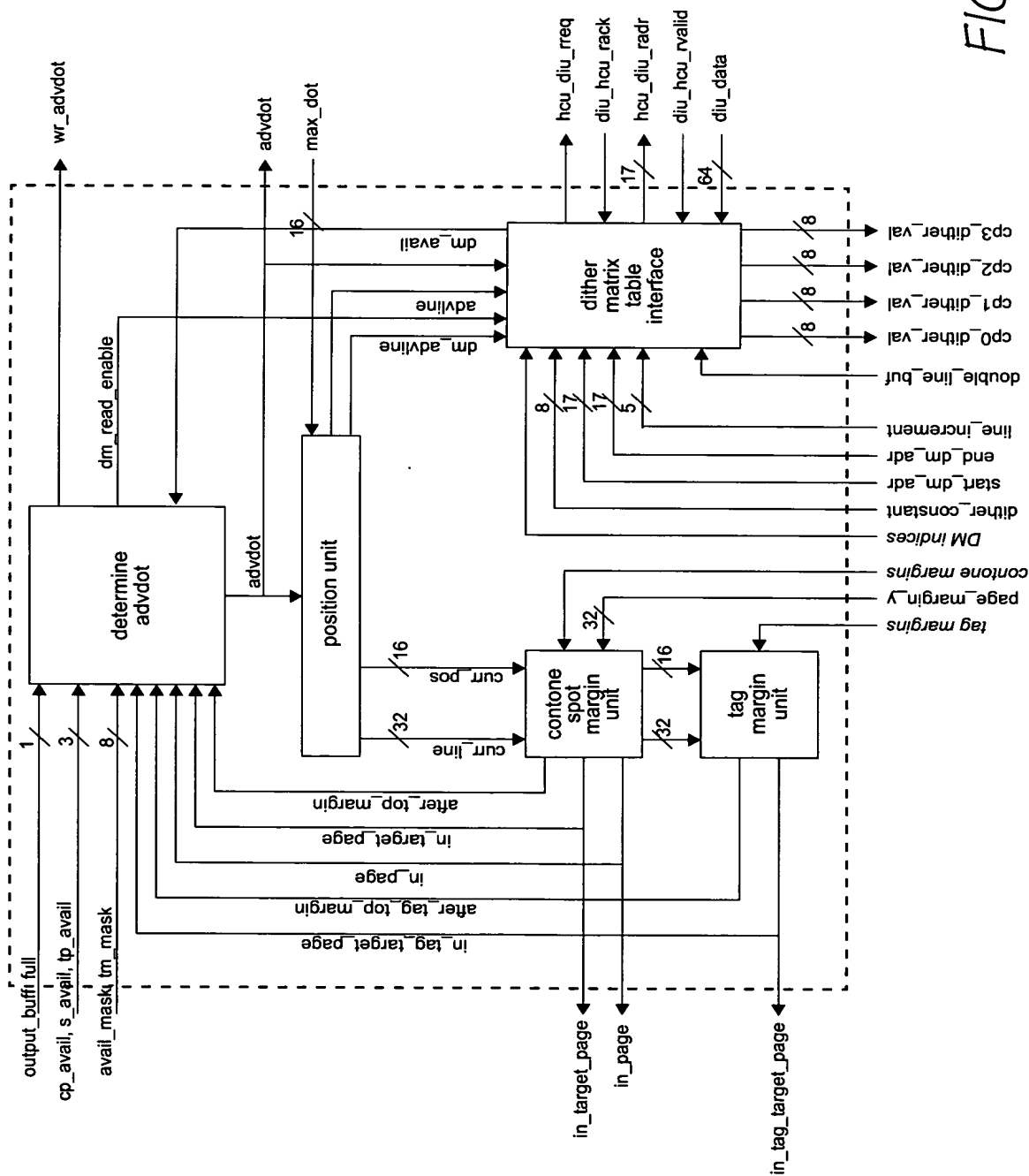


FIG. 232

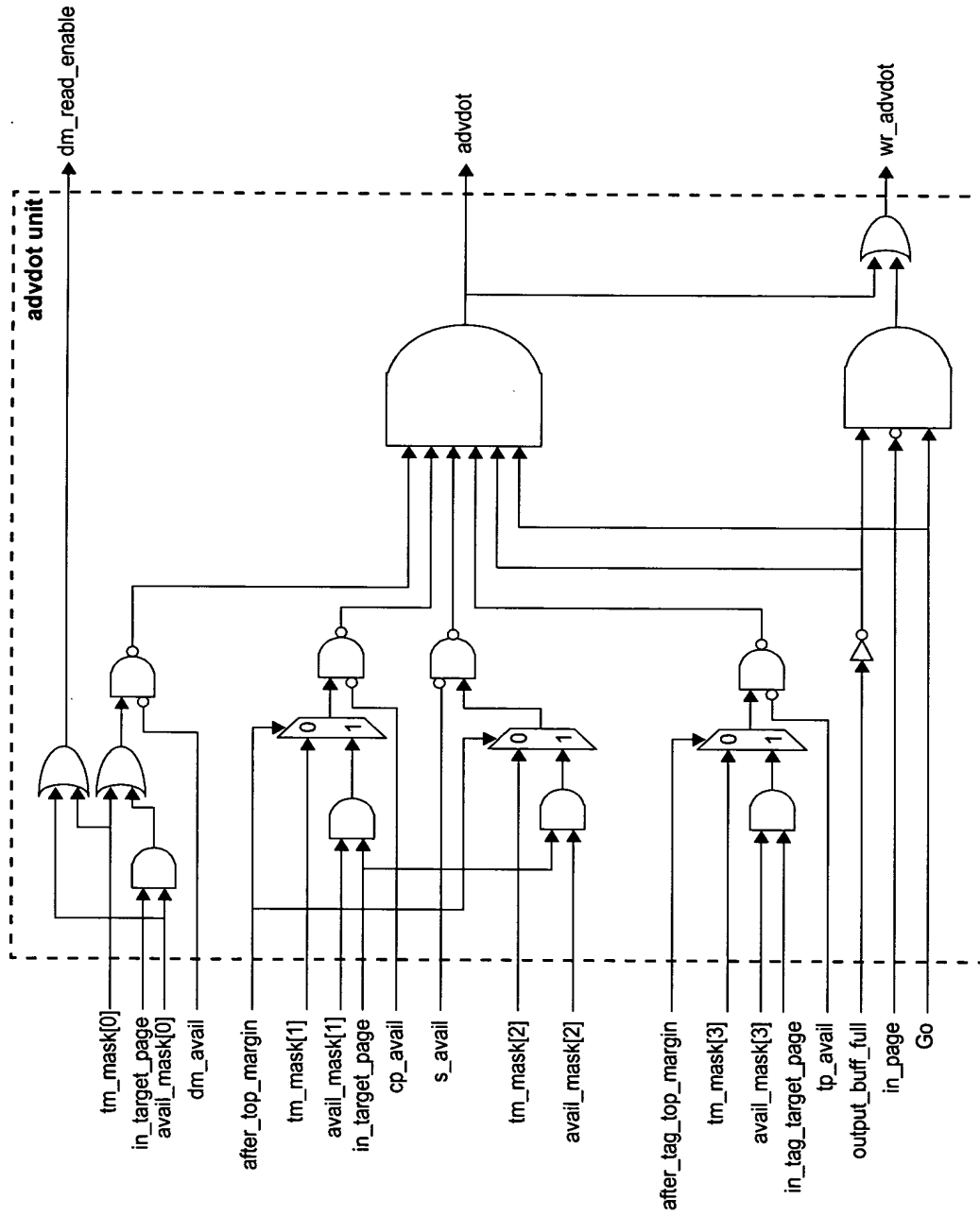


FIG. 233

200/331

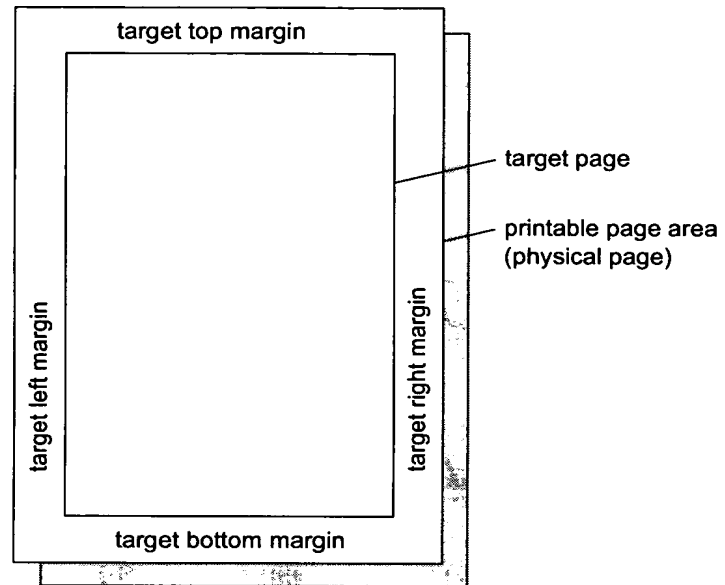


FIG. 234

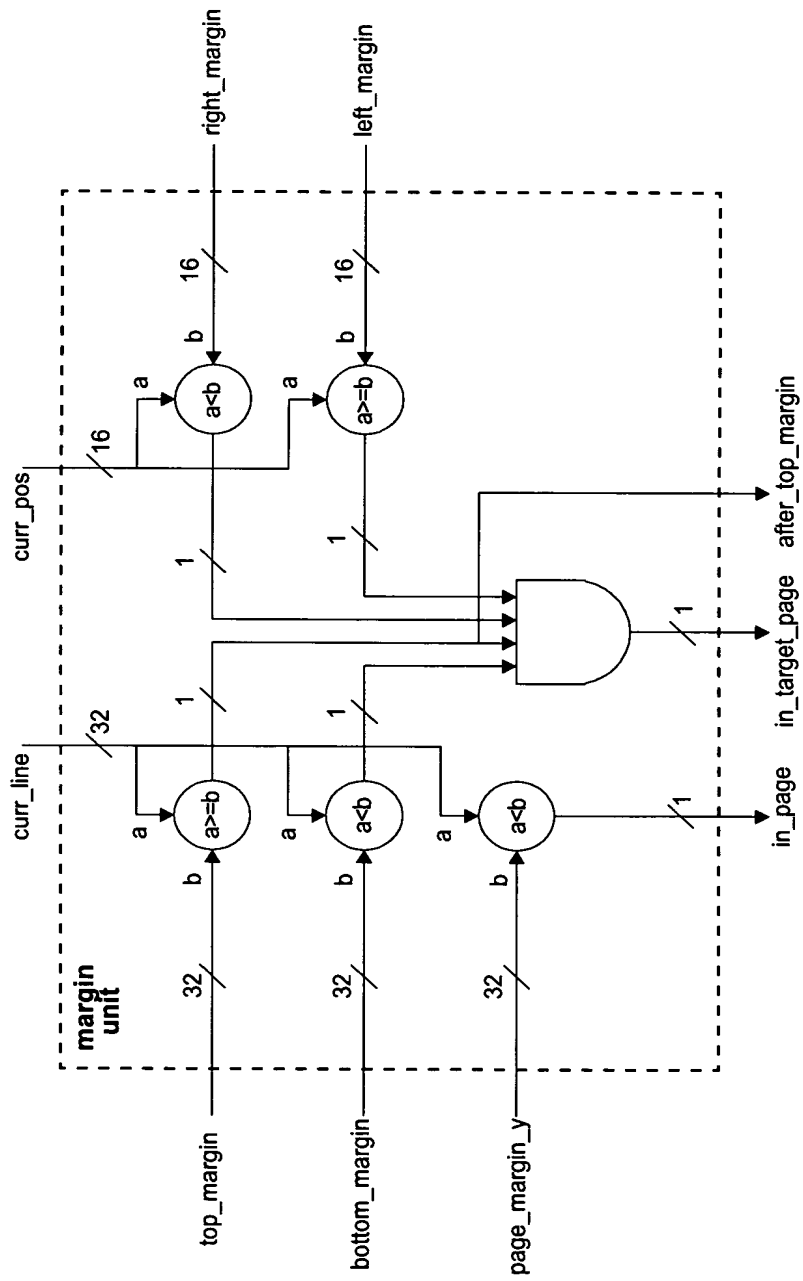


FIG. 235

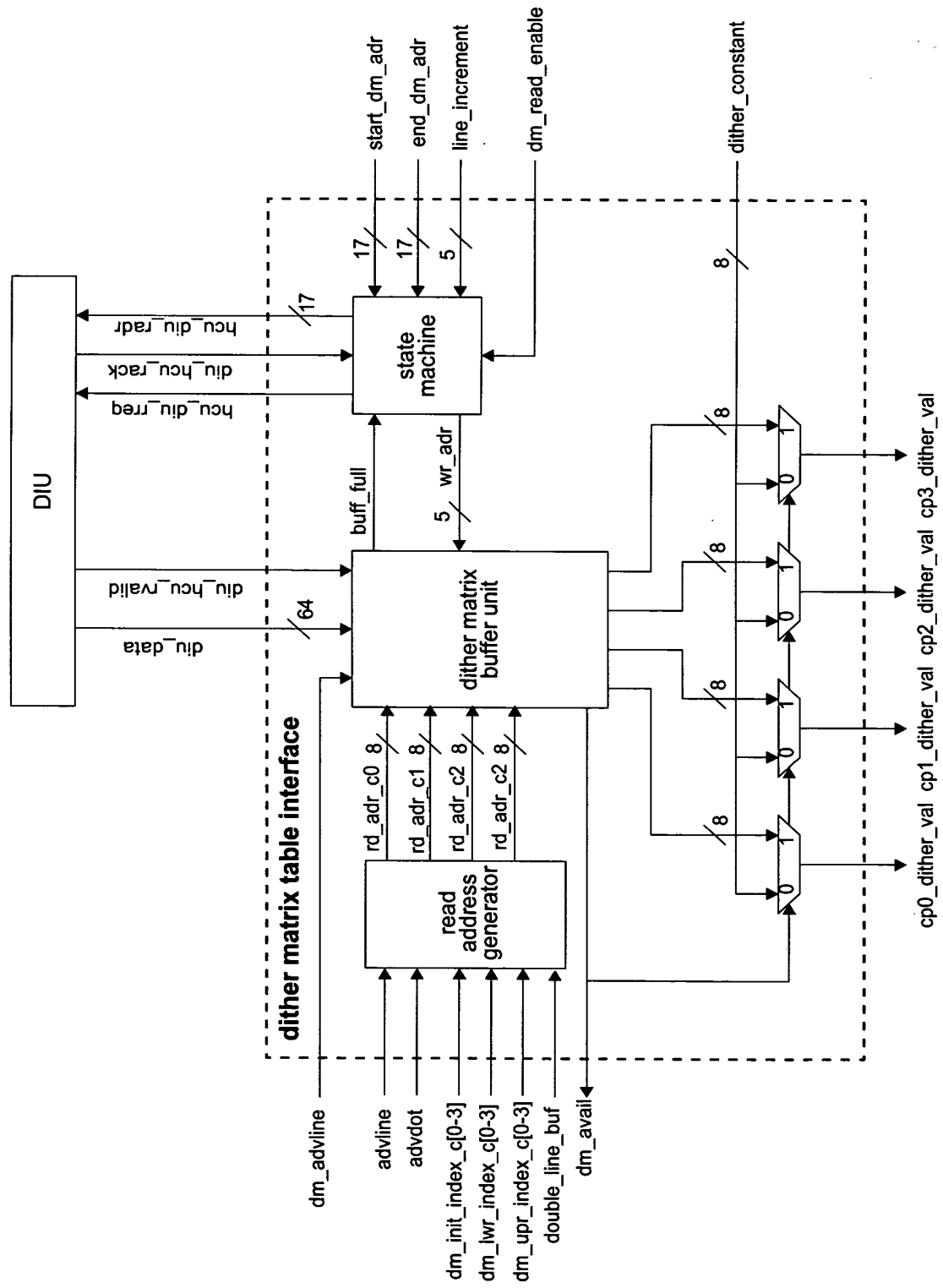


FIG. 236

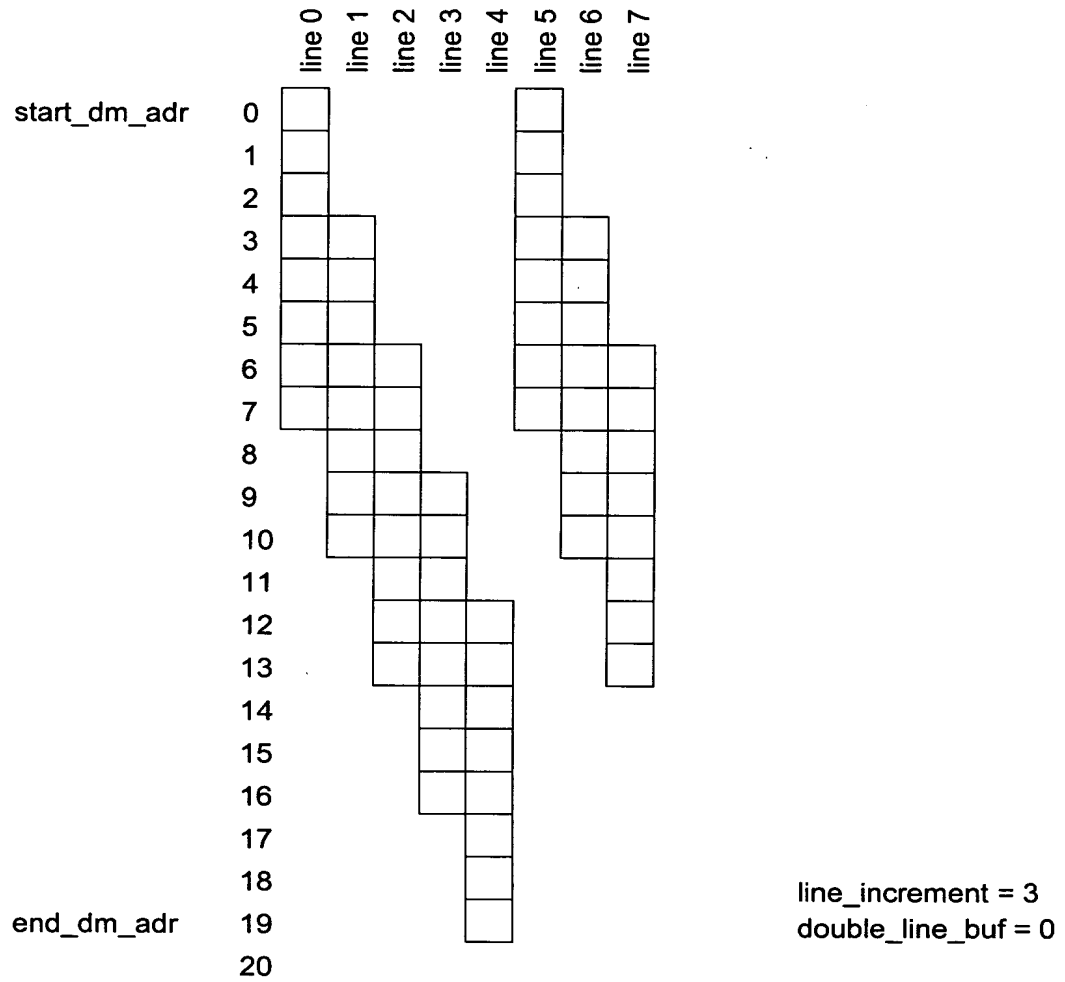


FIG. 237

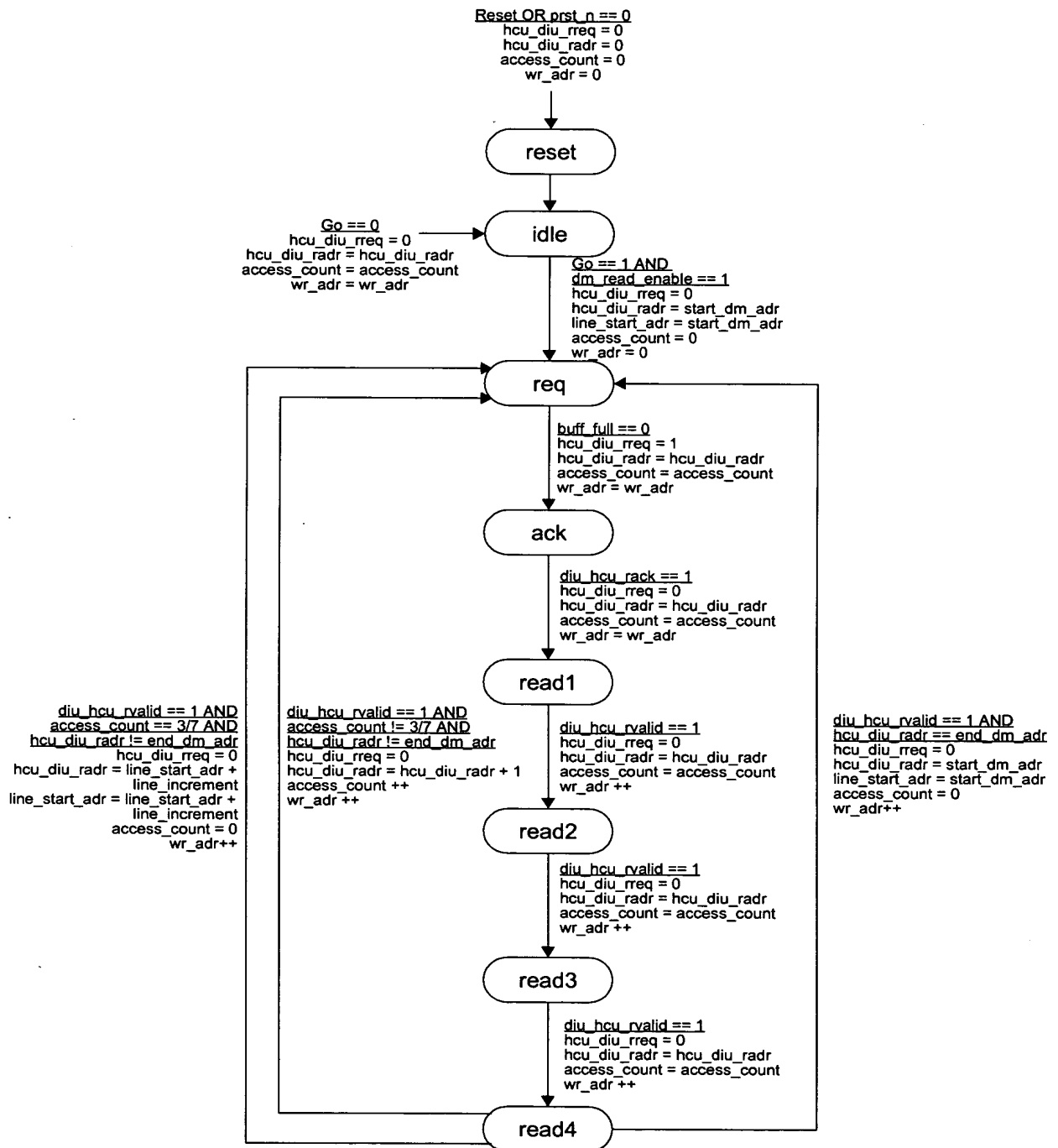


FIG. 238

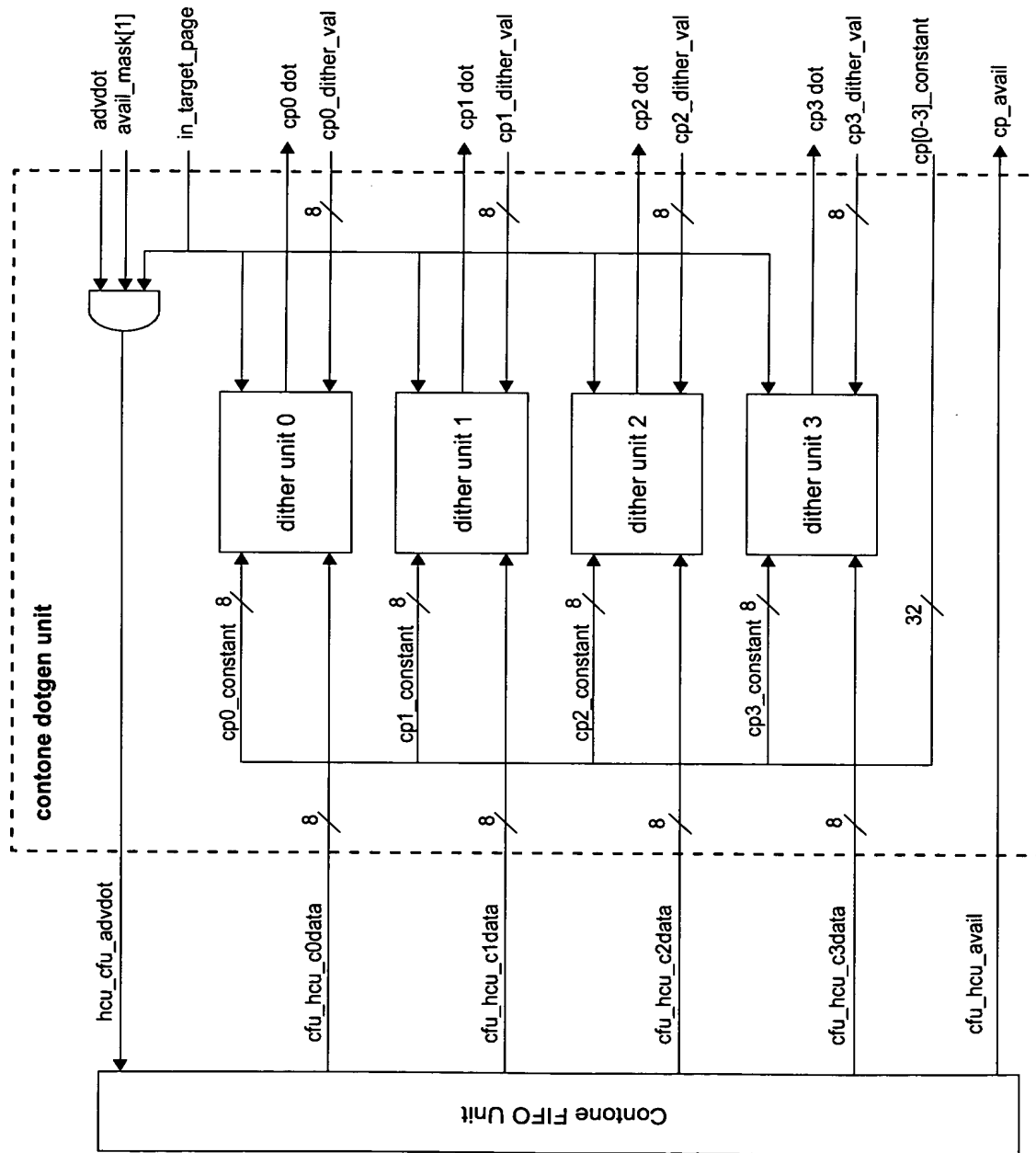


FIG. 239

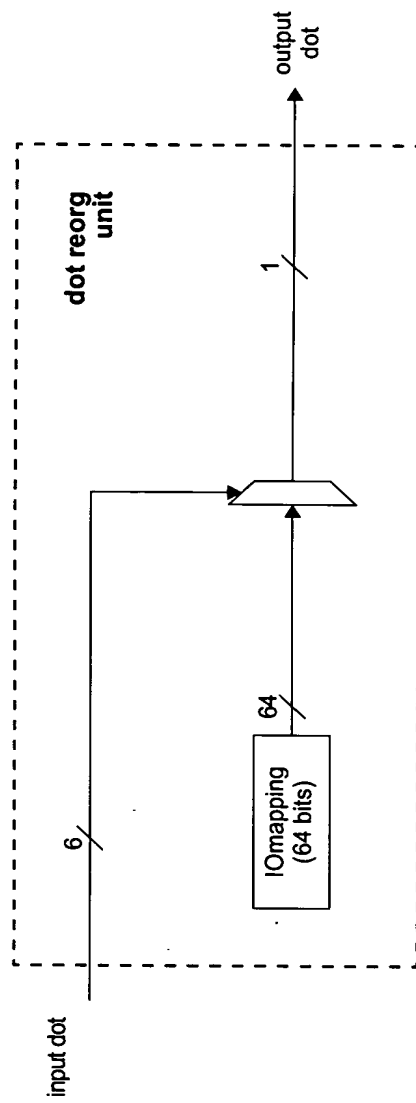


FIG. 240

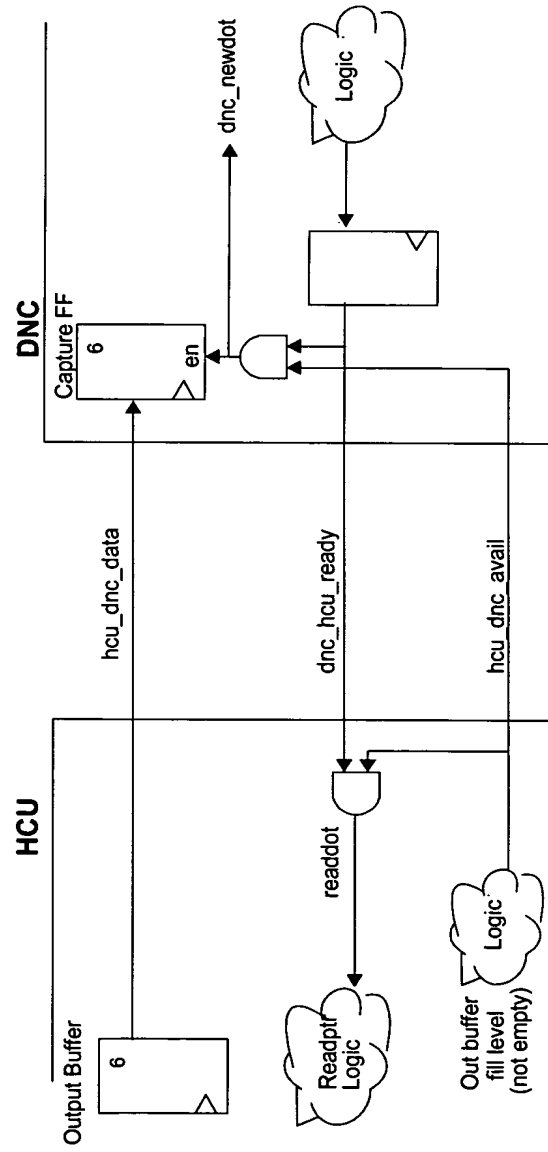
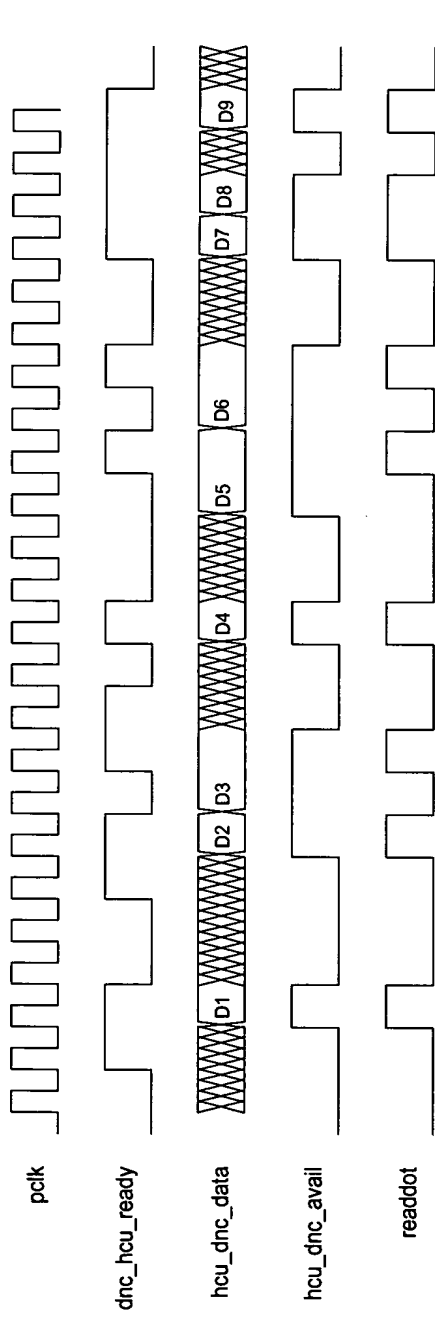


FIG. 241

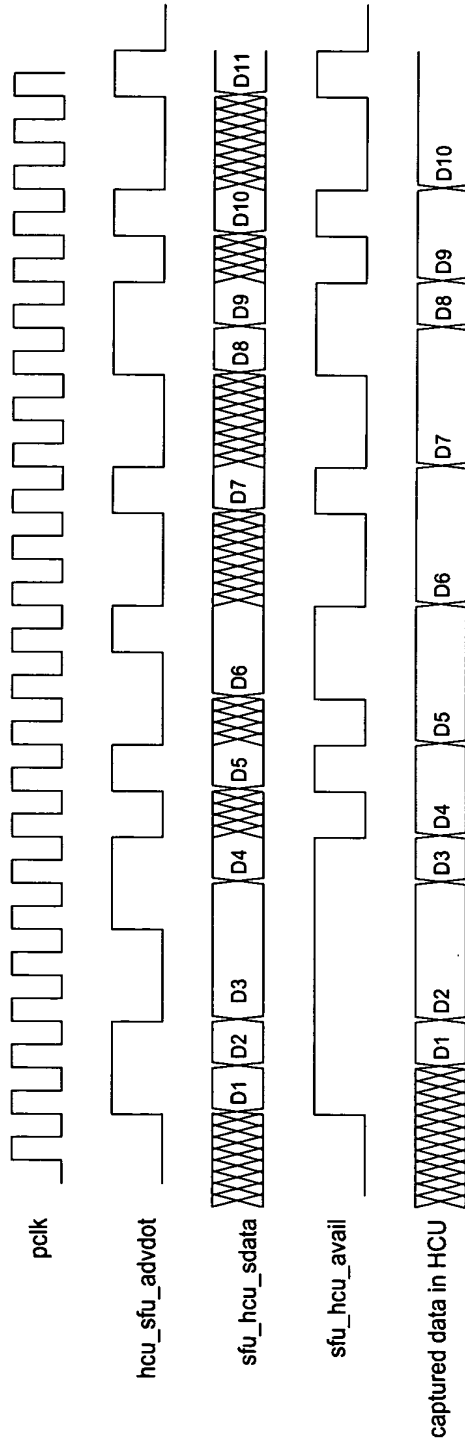


FIG. 242

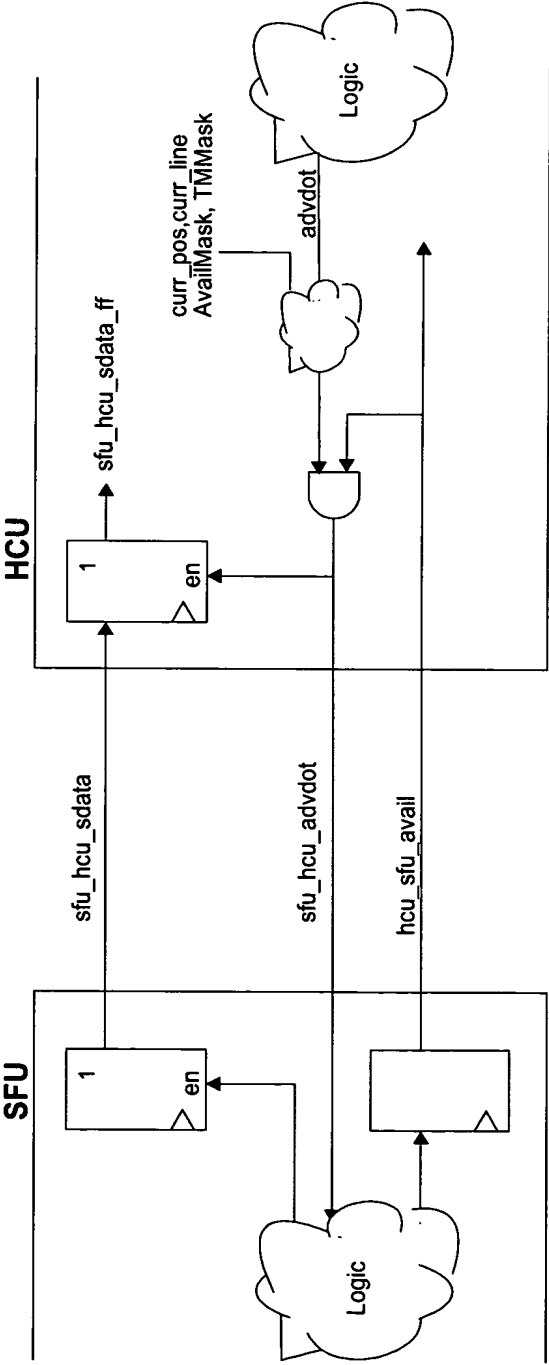


FIG. 243

210/331

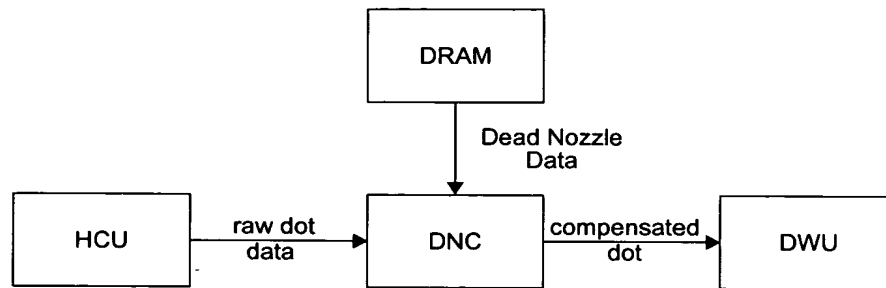


FIG. 244

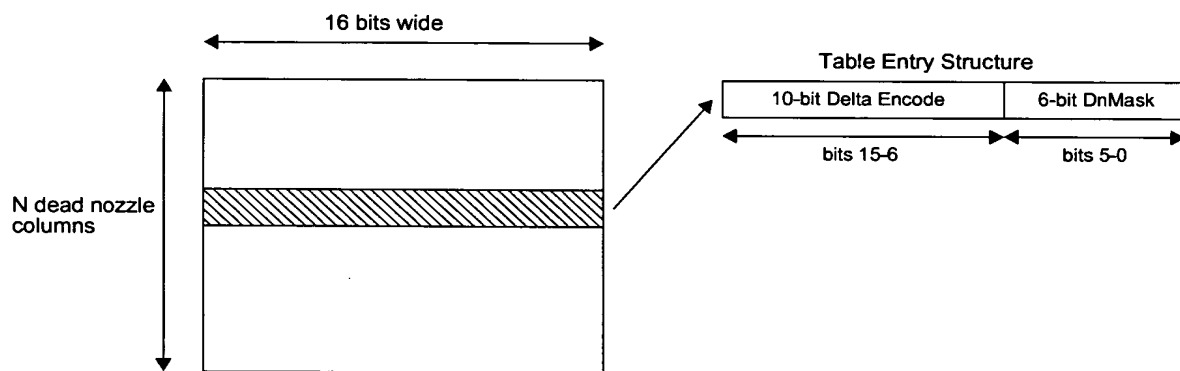


FIG. 245

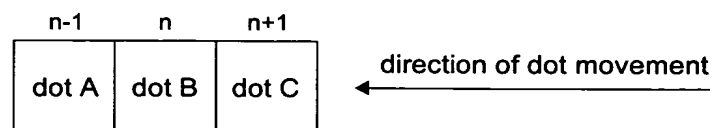


FIG. 246

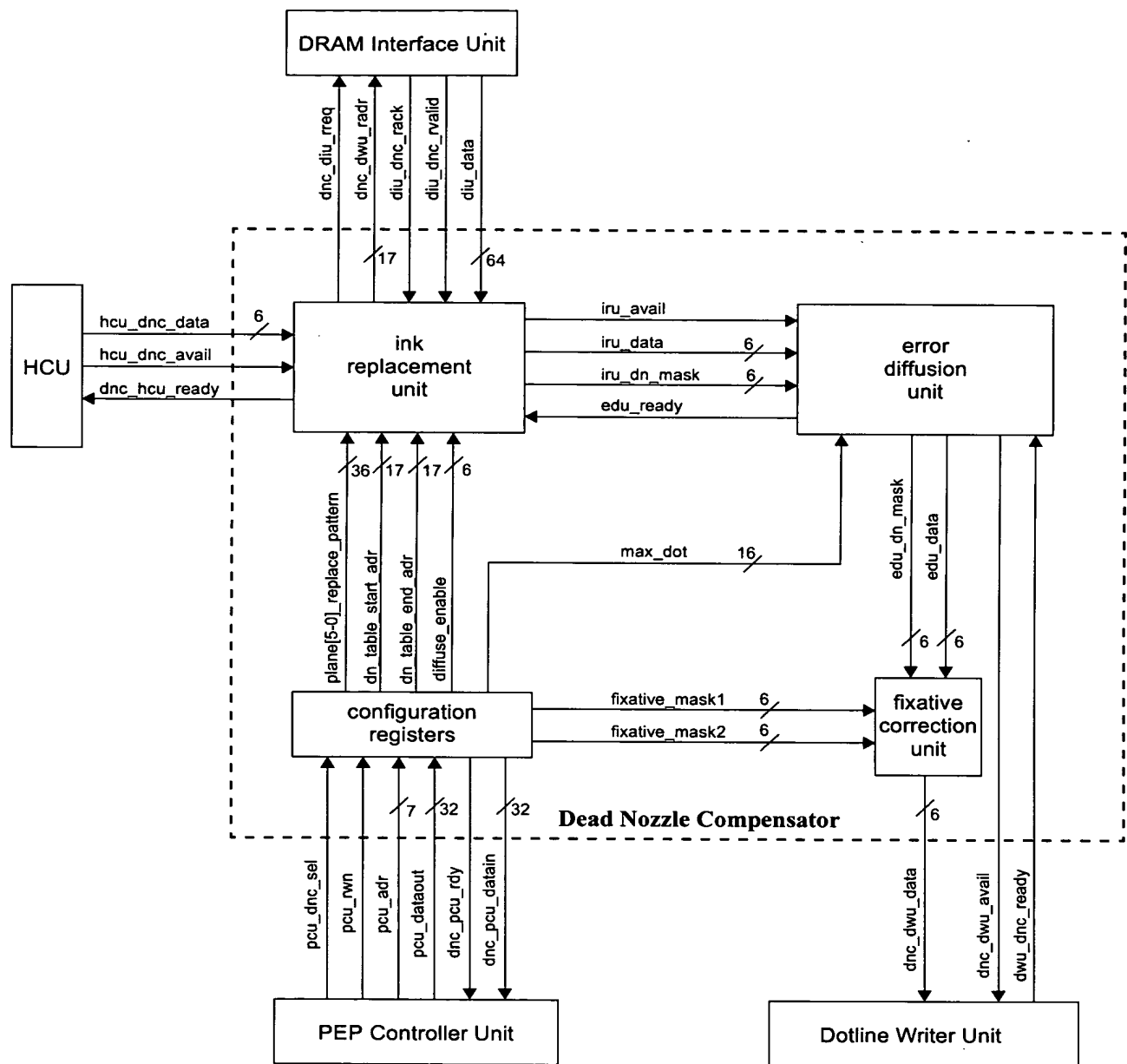


FIG. 247

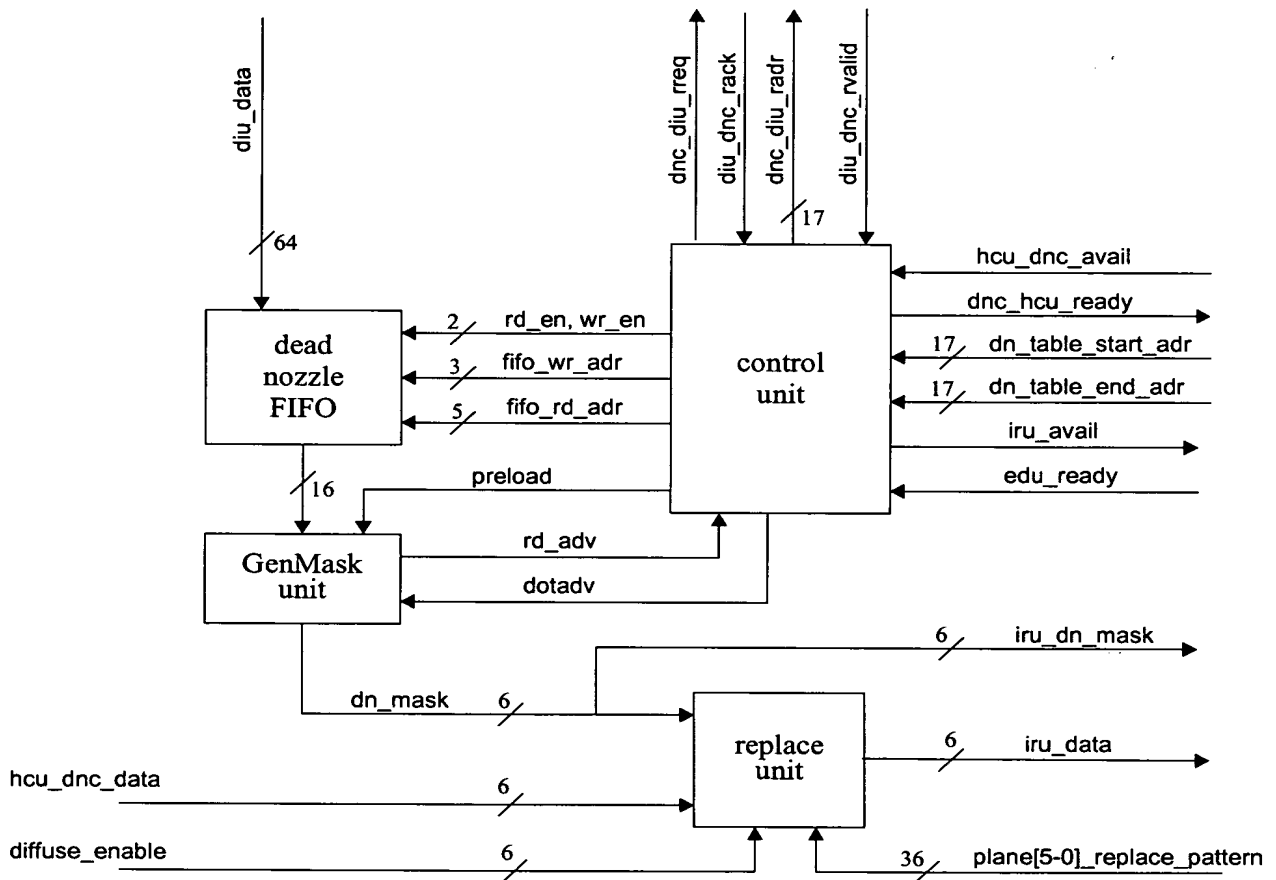


FIG. 248

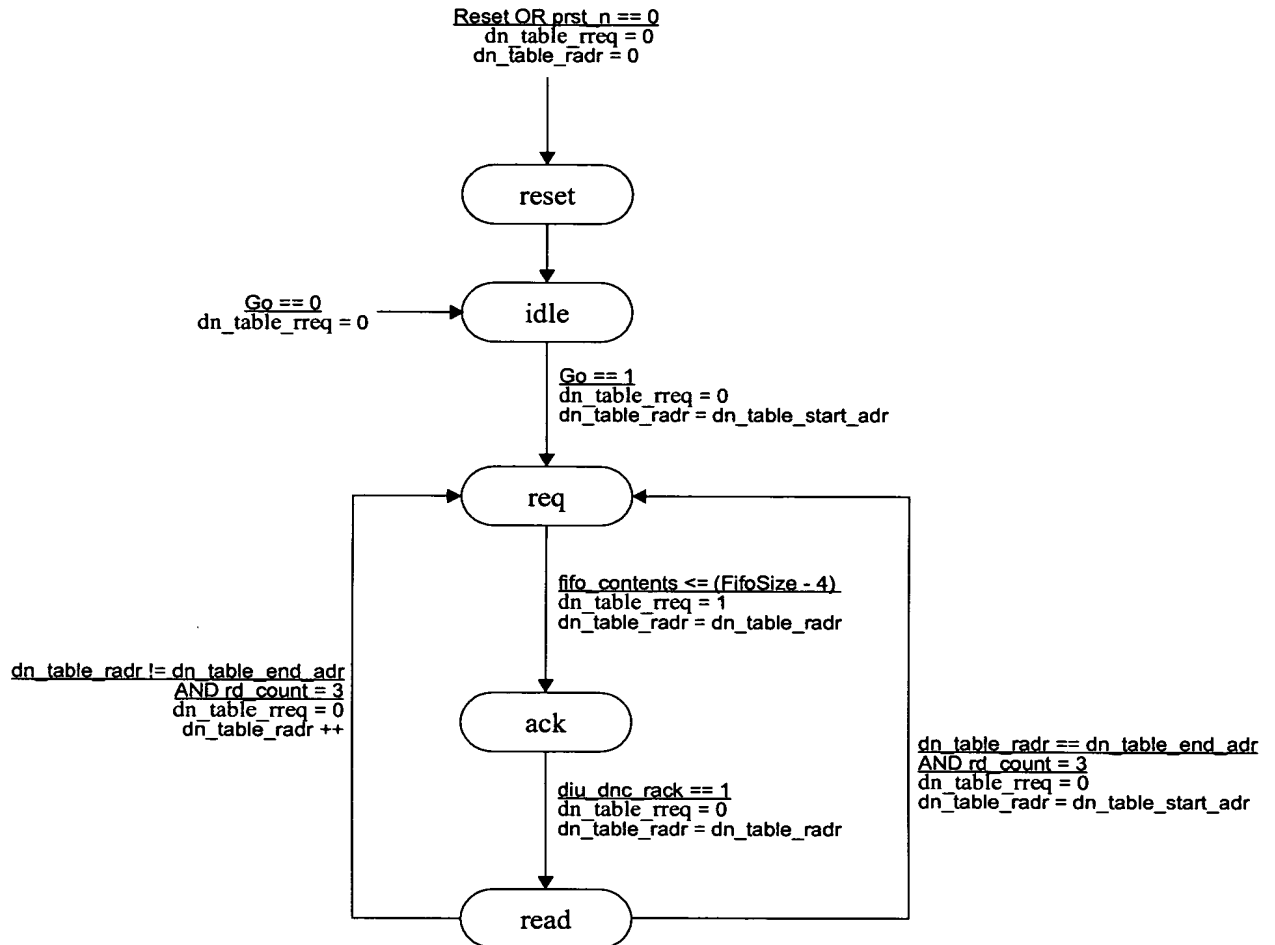


FIG. 249

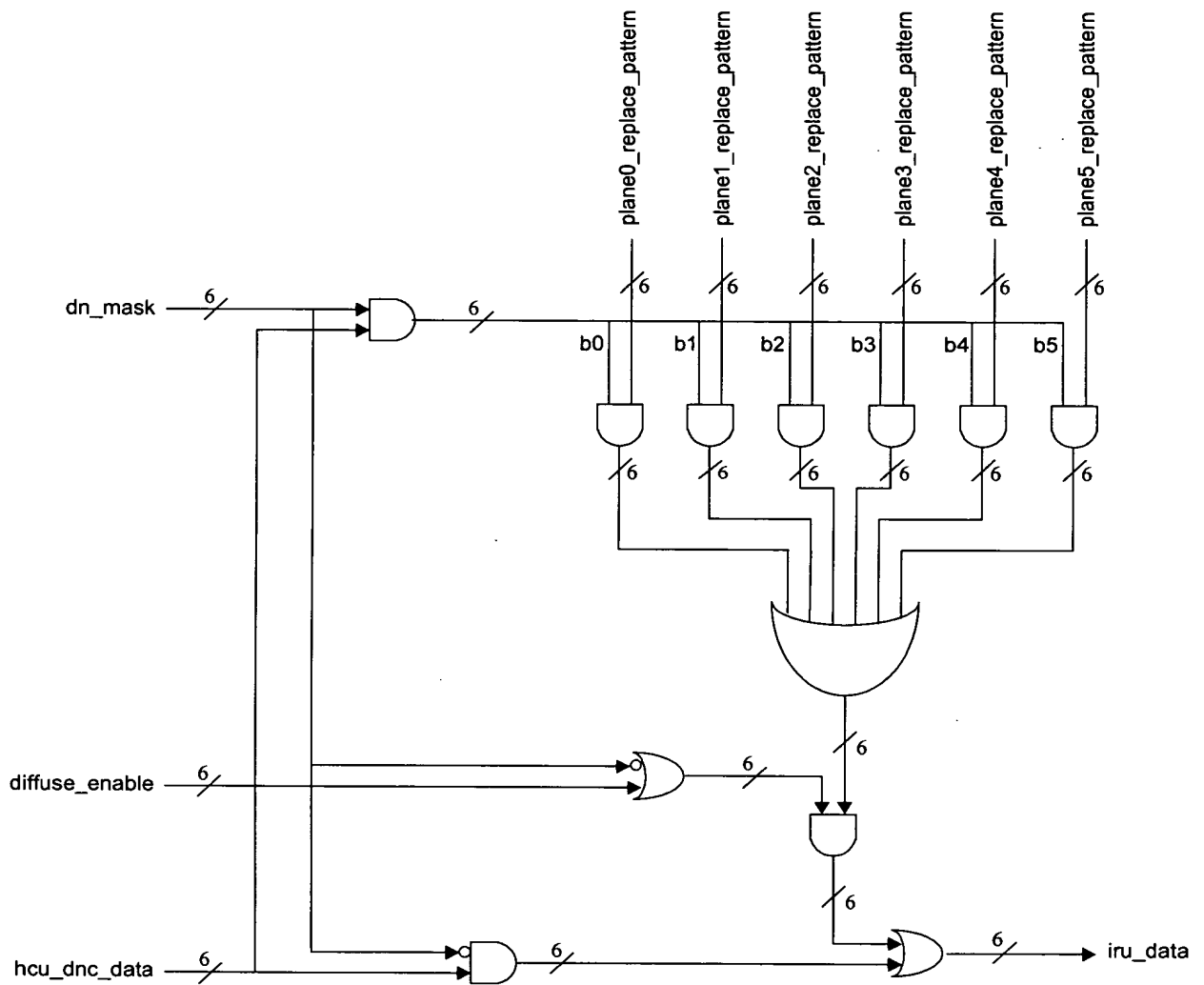


FIG. 250

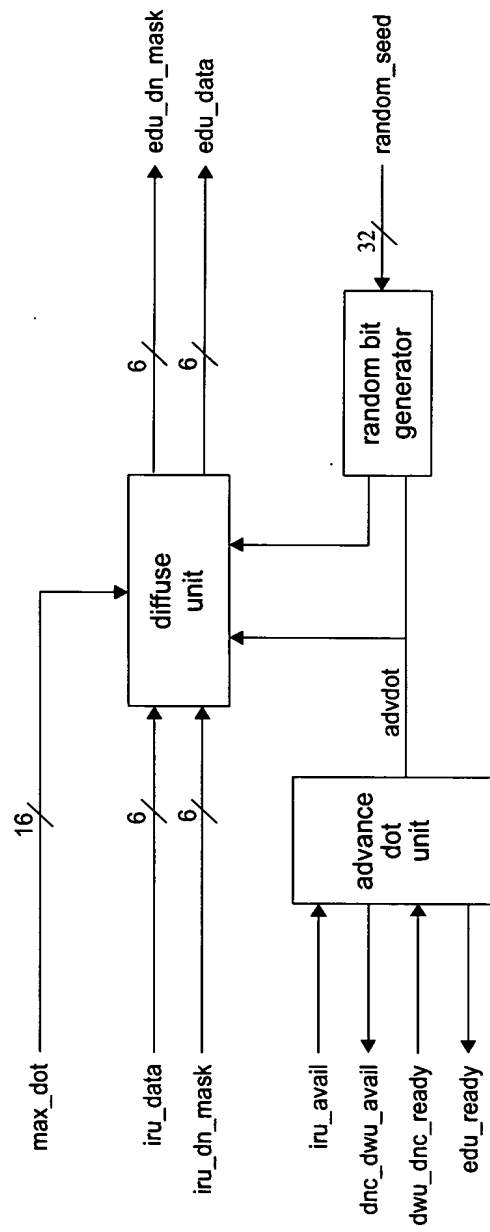


FIG. 251

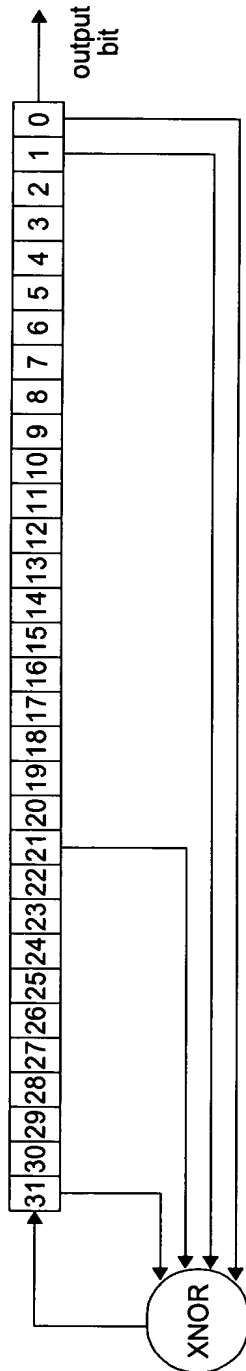


FIG. 252

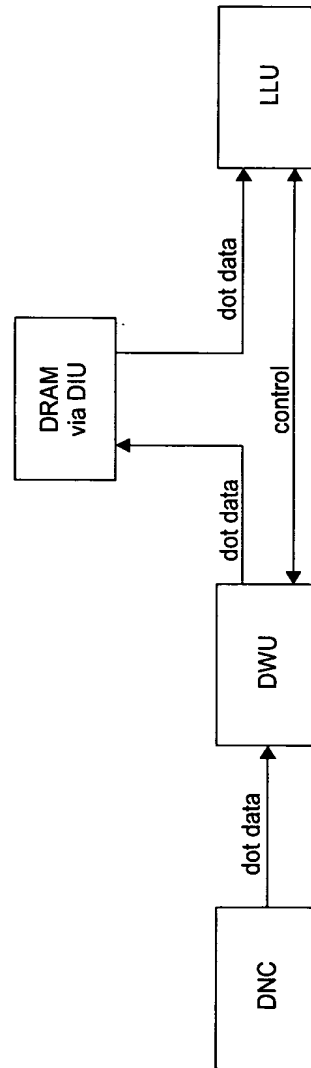
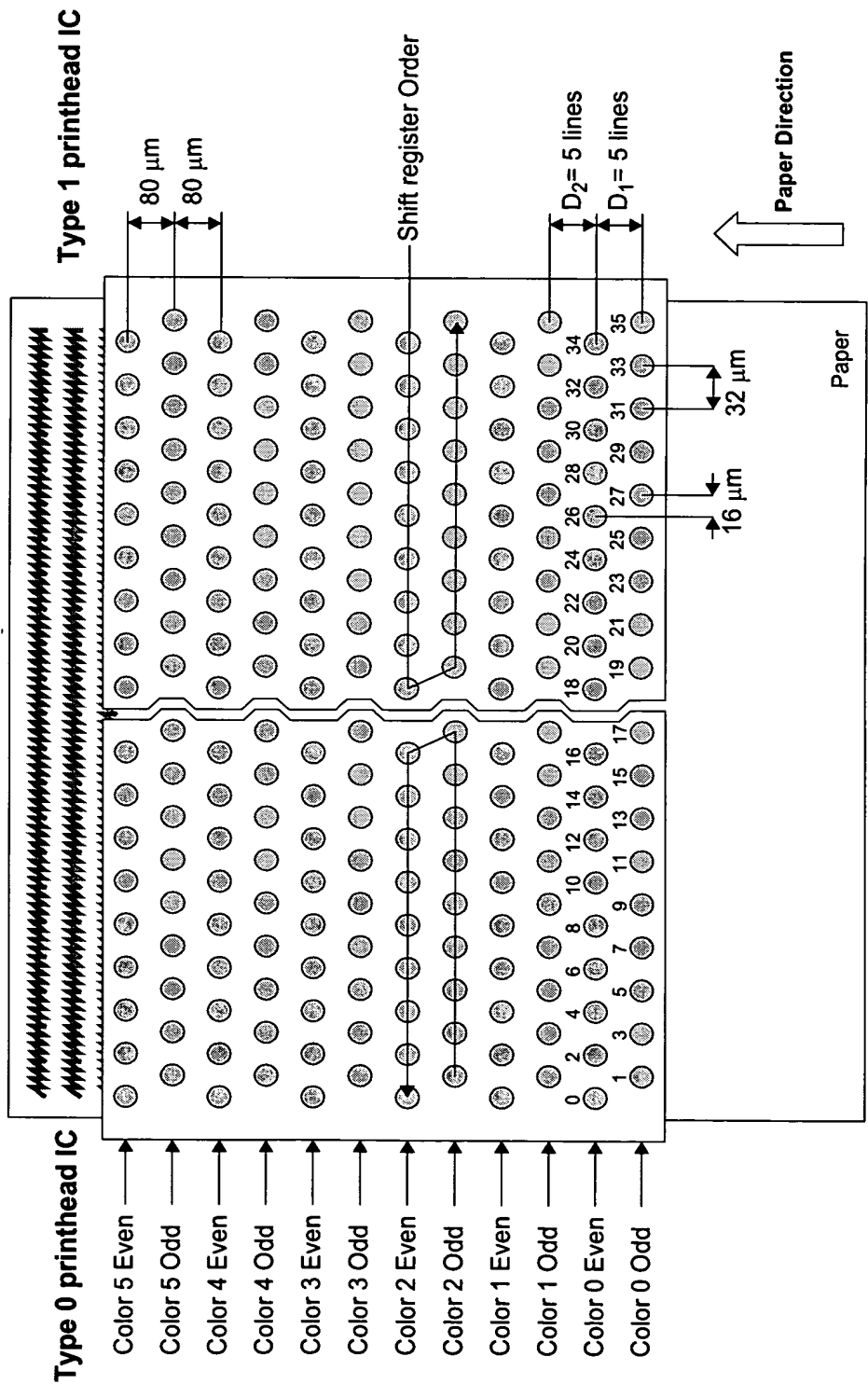


FIG. 253



Note: Paper passes under printhead

FIG. 254

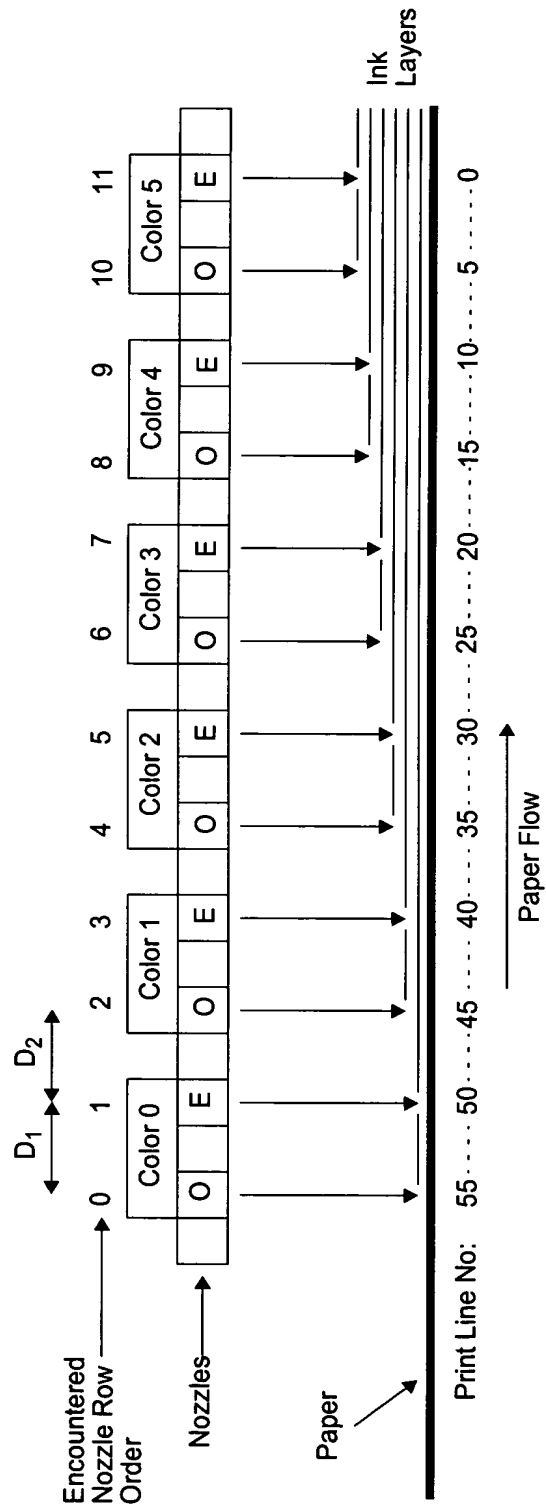


FIG. 255

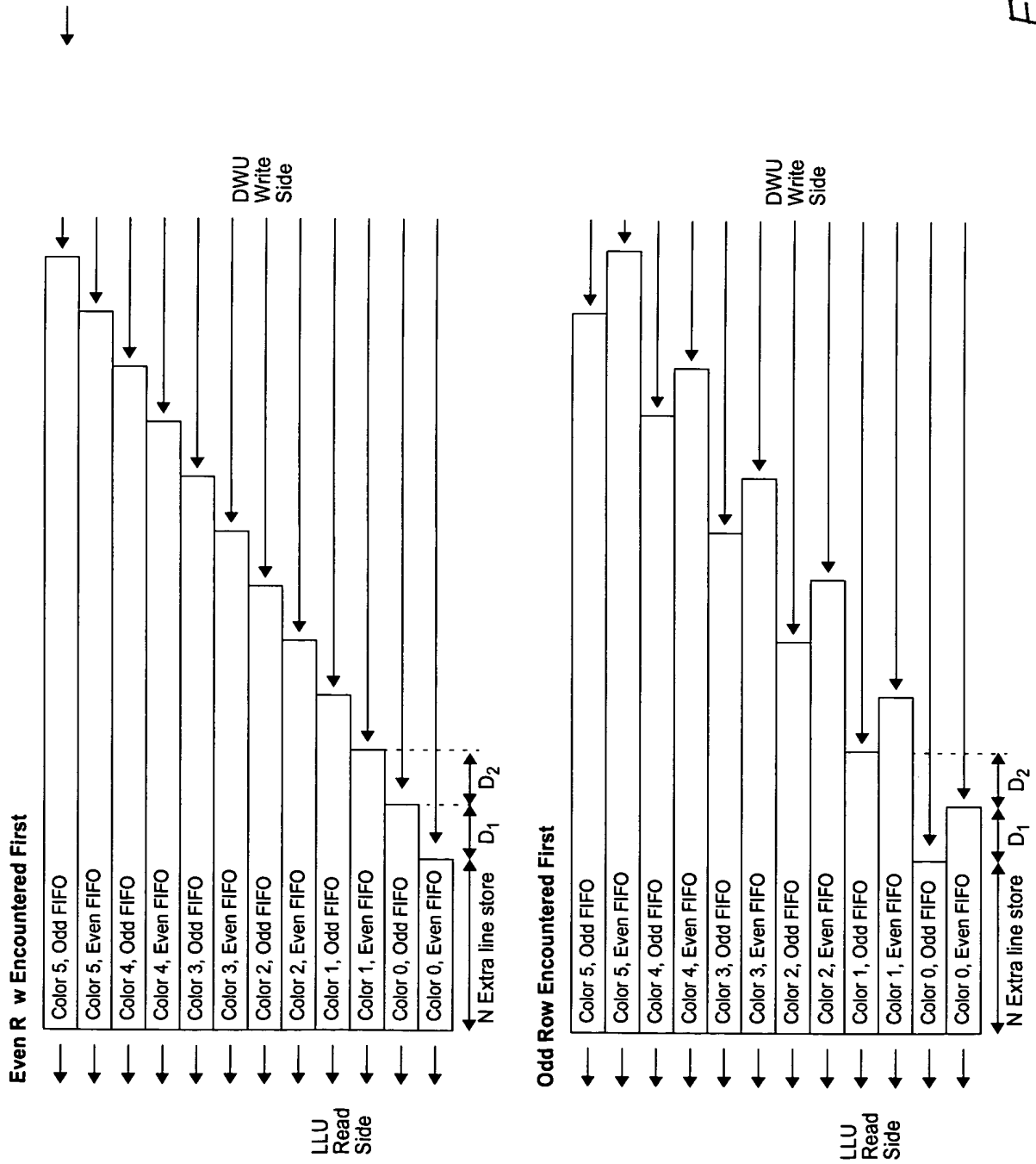


FIG. 256

220/331

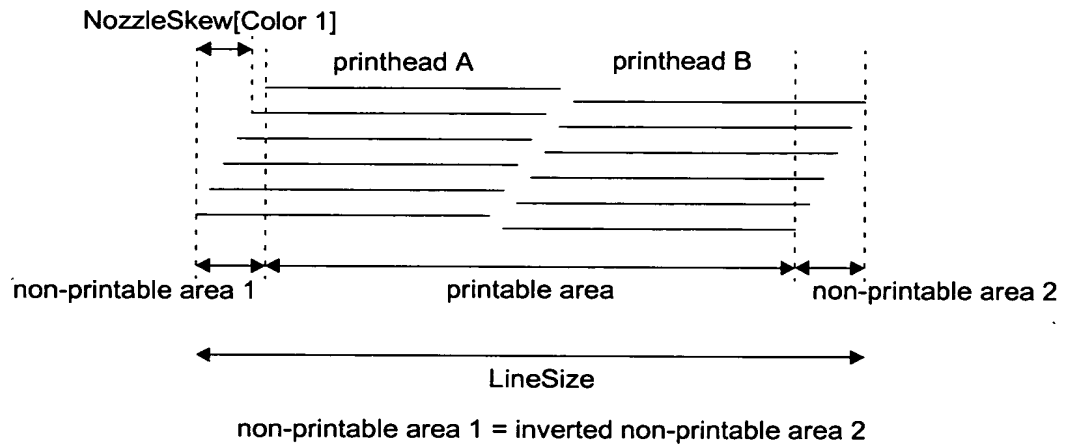


FIG. 257

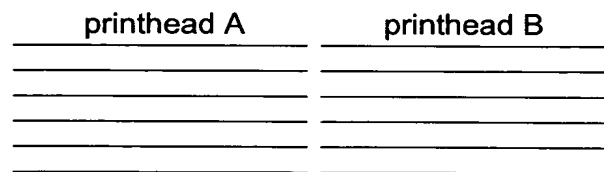


FIG. 258

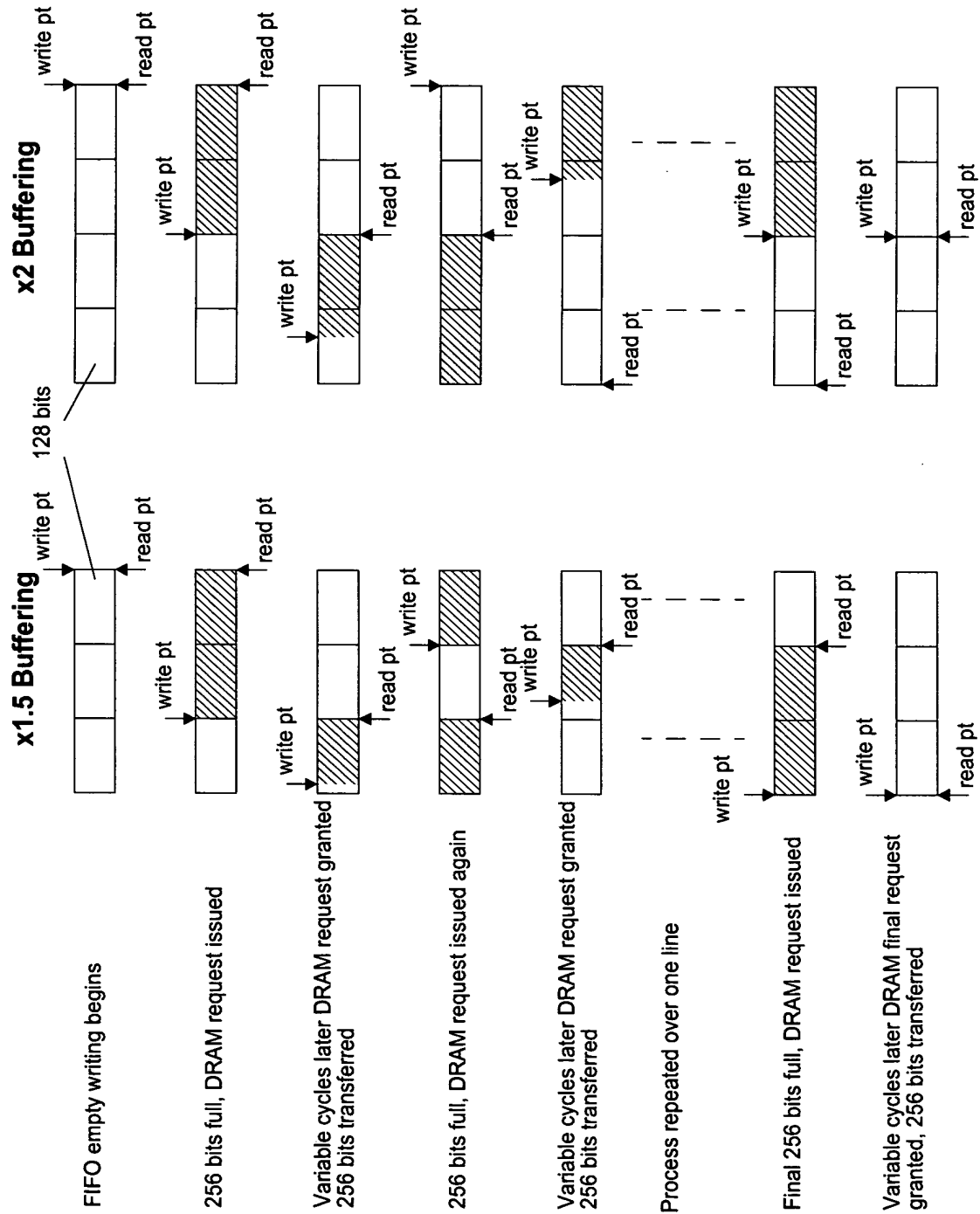


FIG. 259

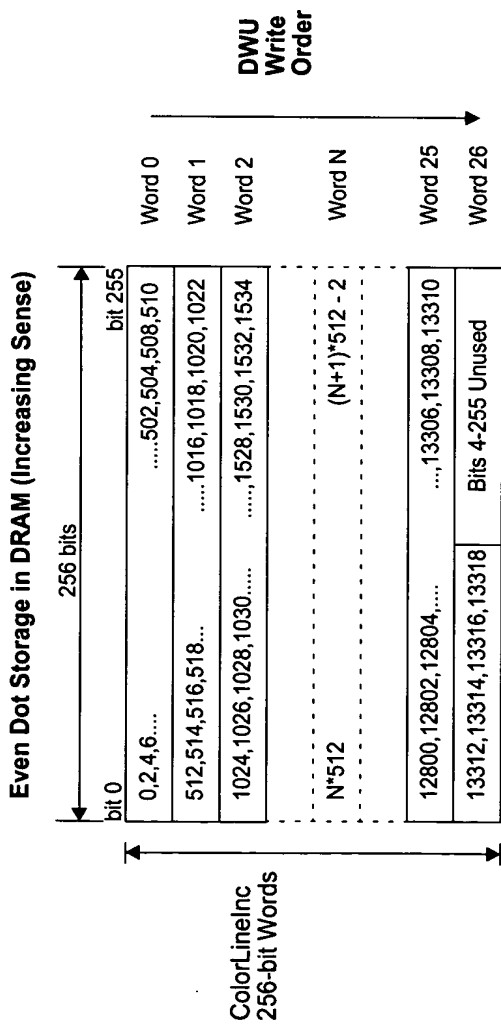


FIG. 260

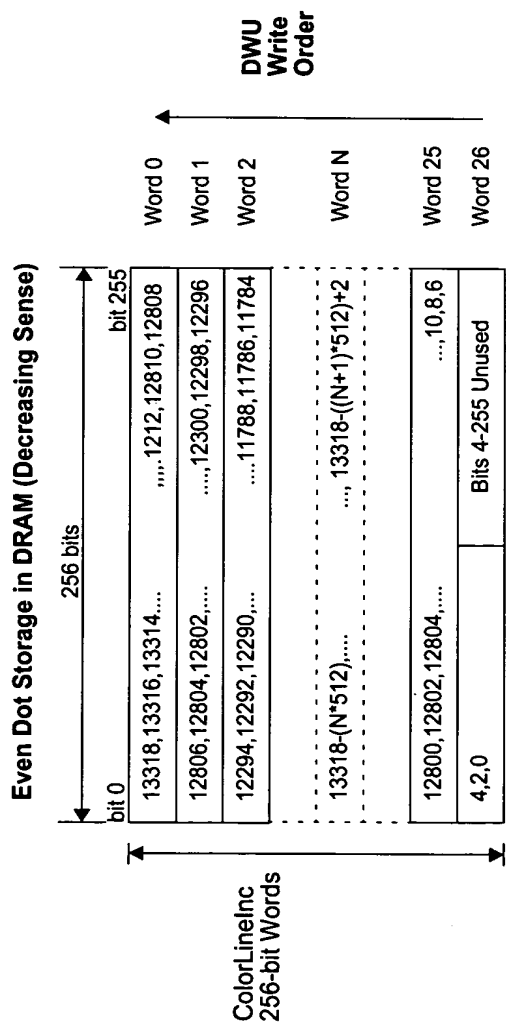


FIG. 261

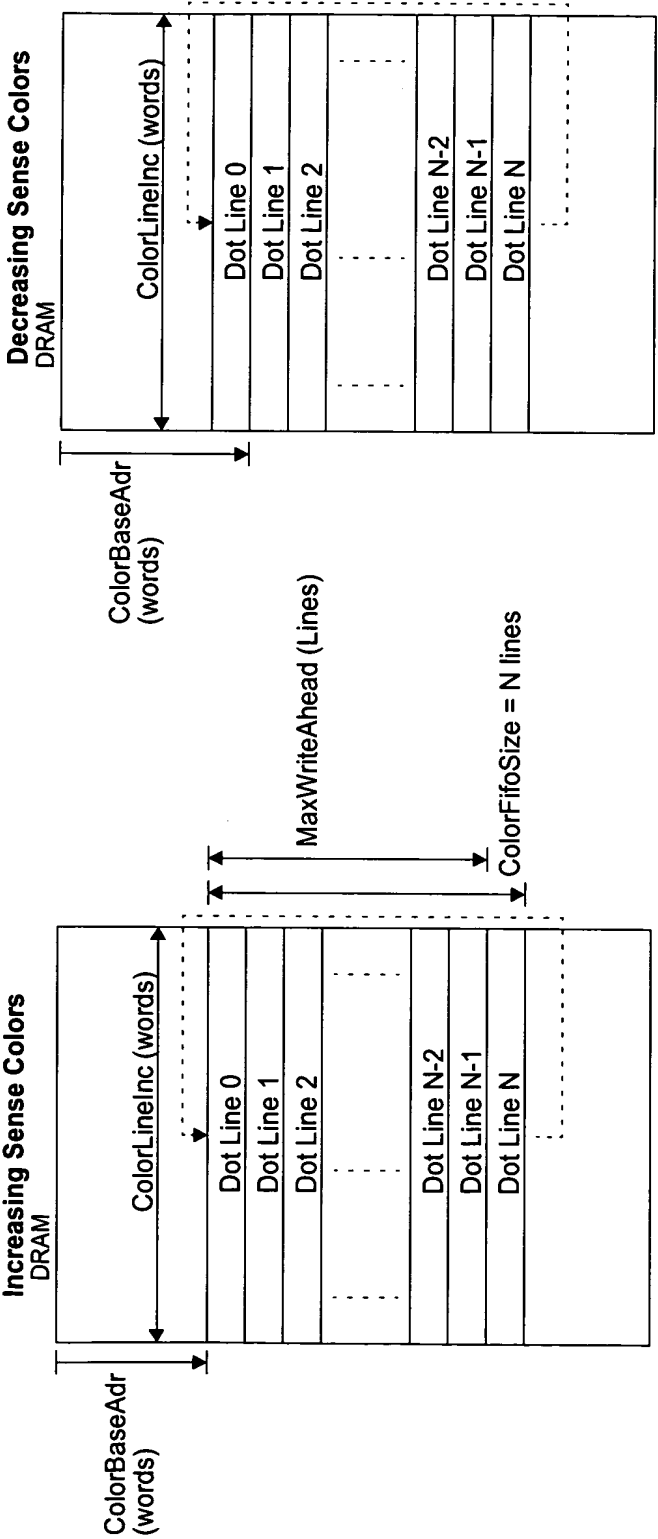


FIG. 262

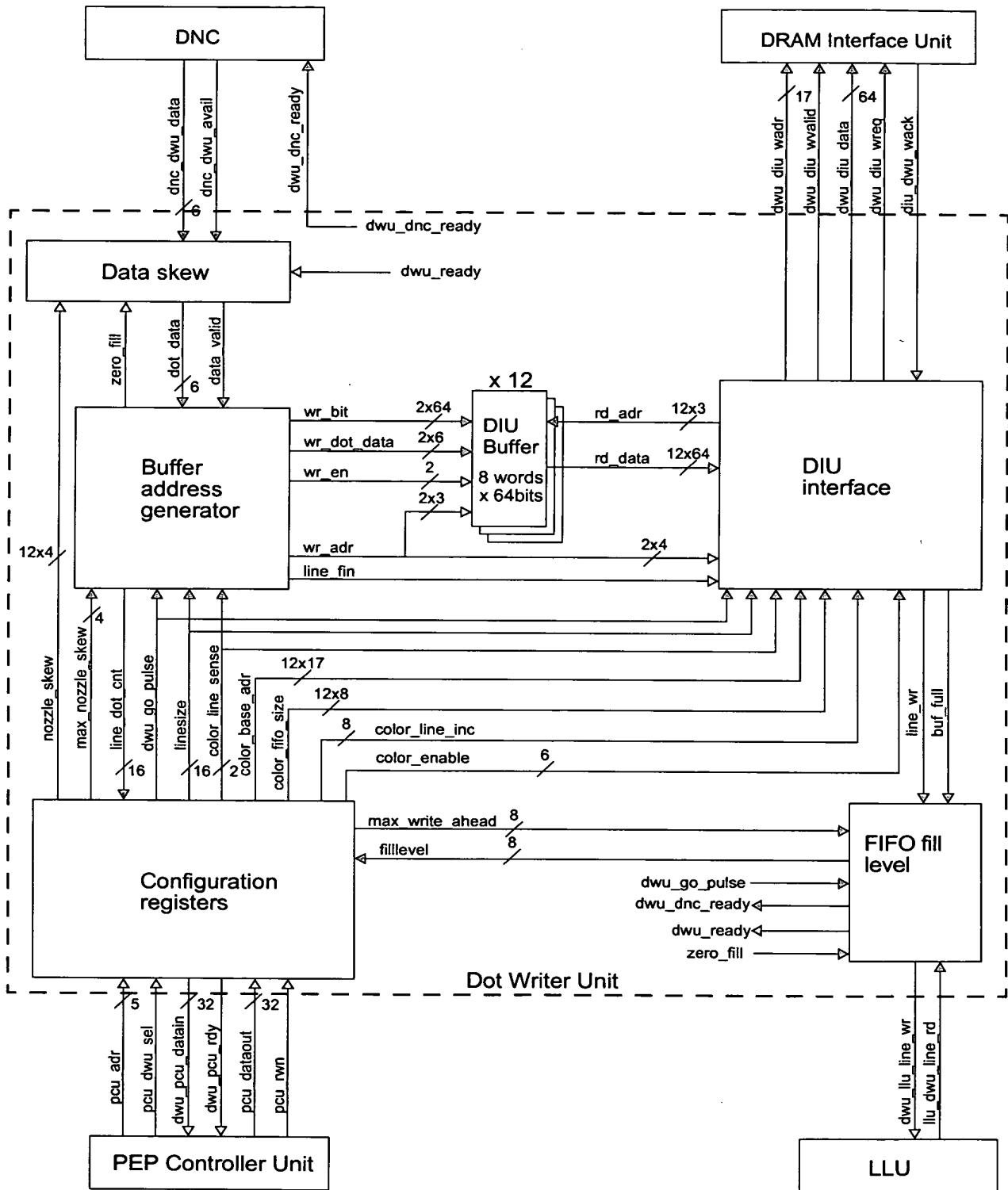


FIG. 263

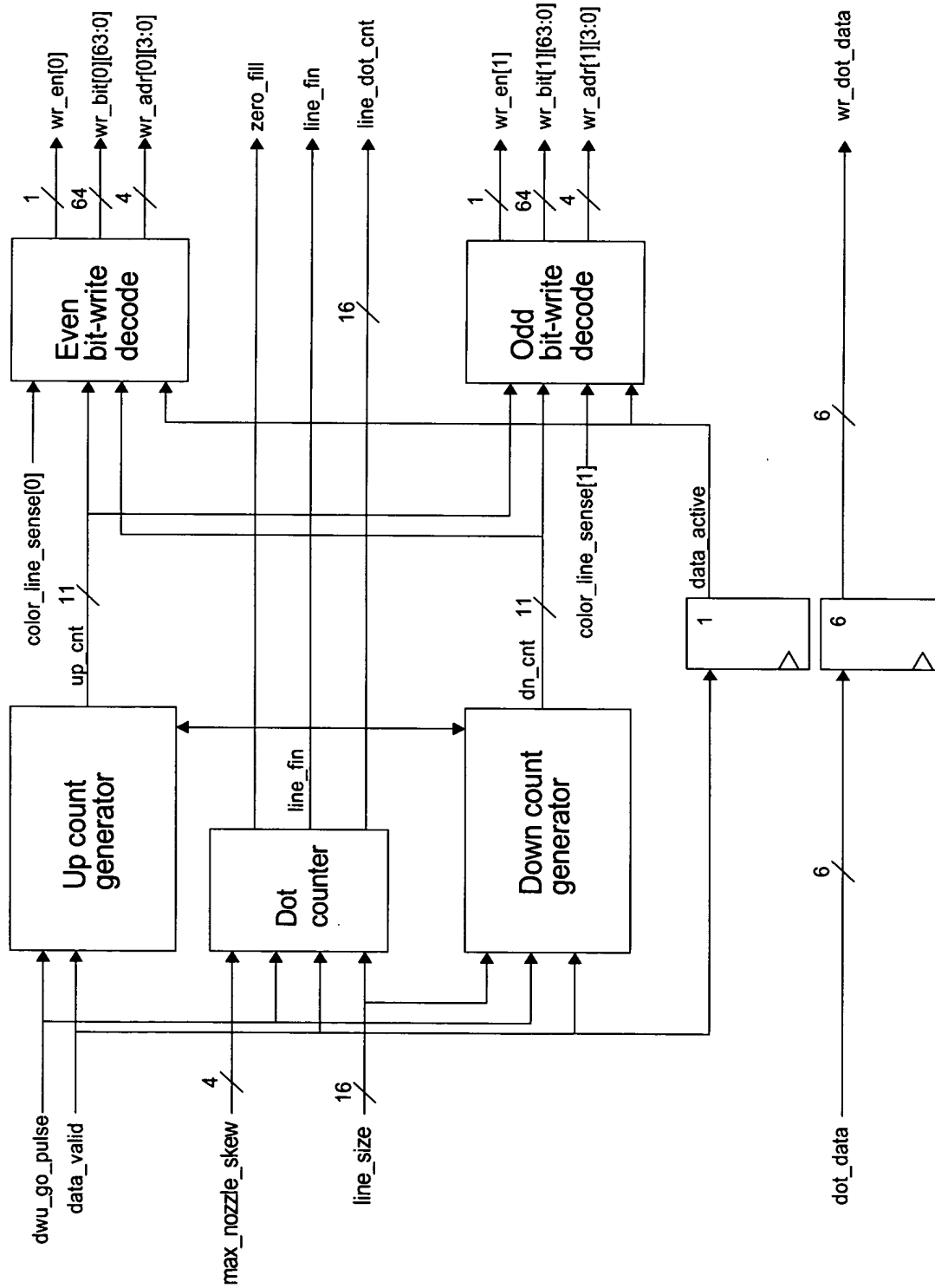


FIG. 264

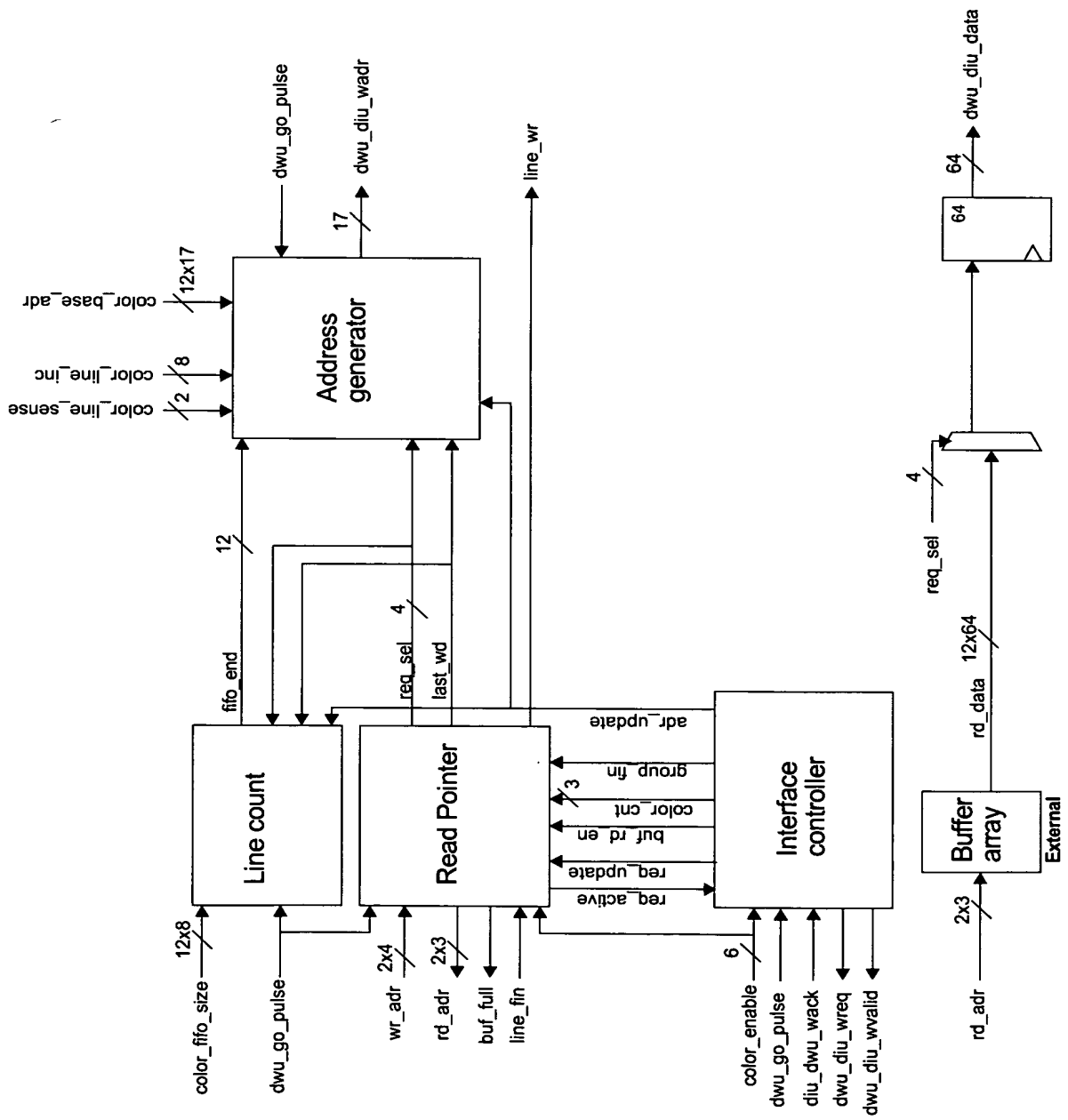


FIG. 265

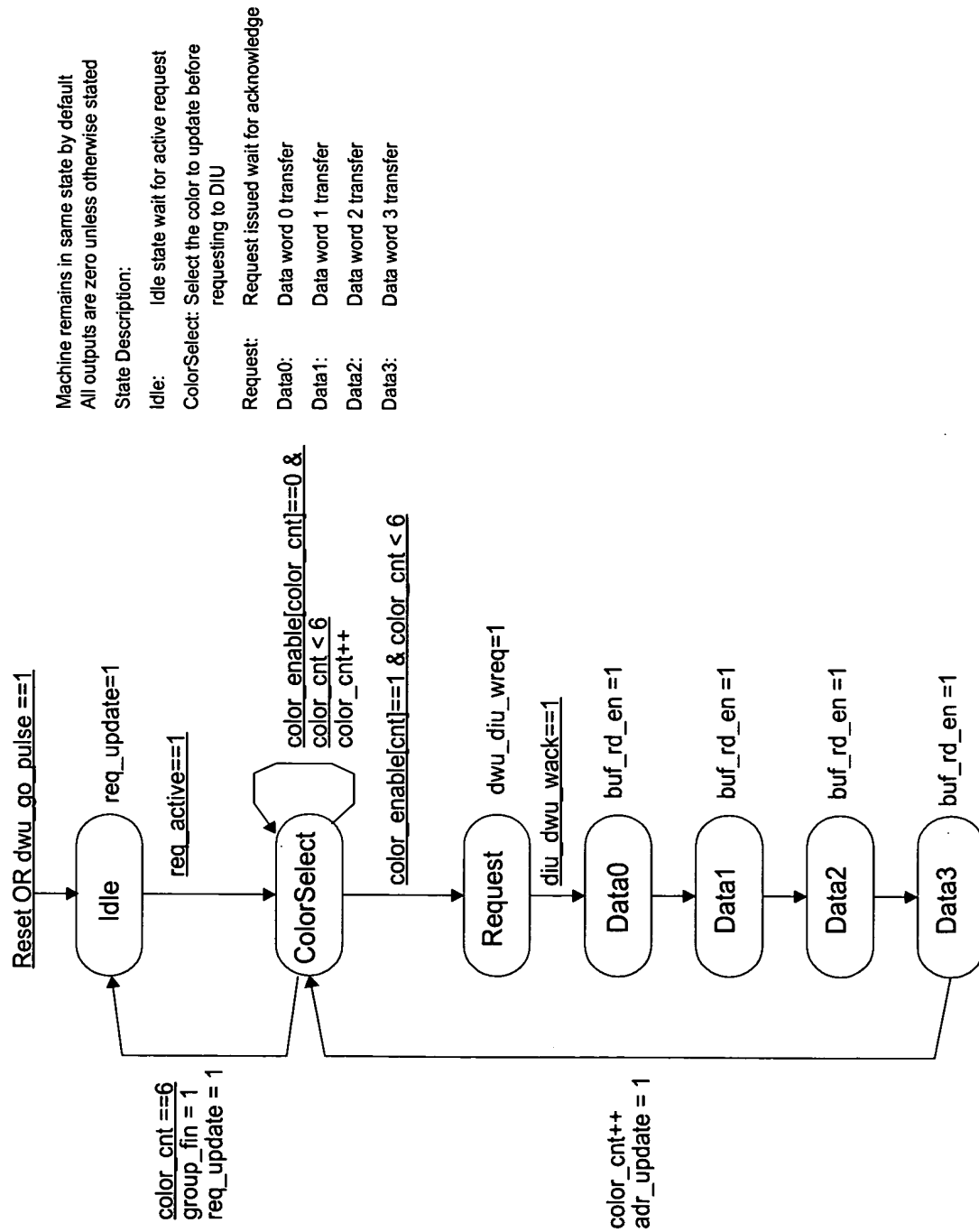


FIG. 266

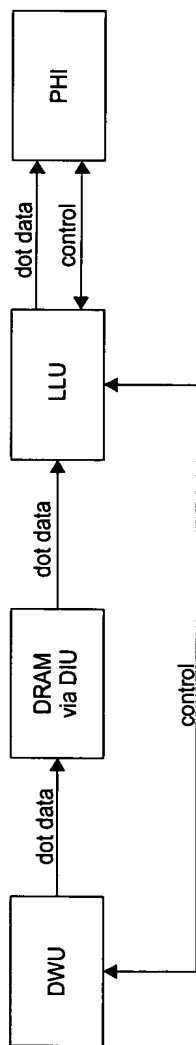


FIG. 267

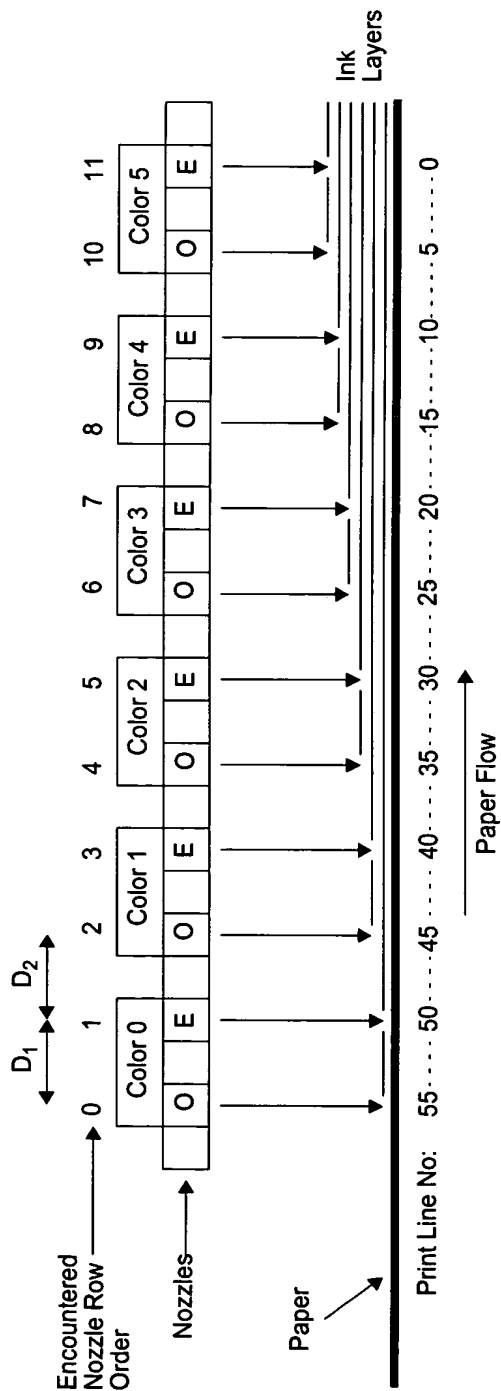


FIG. 268

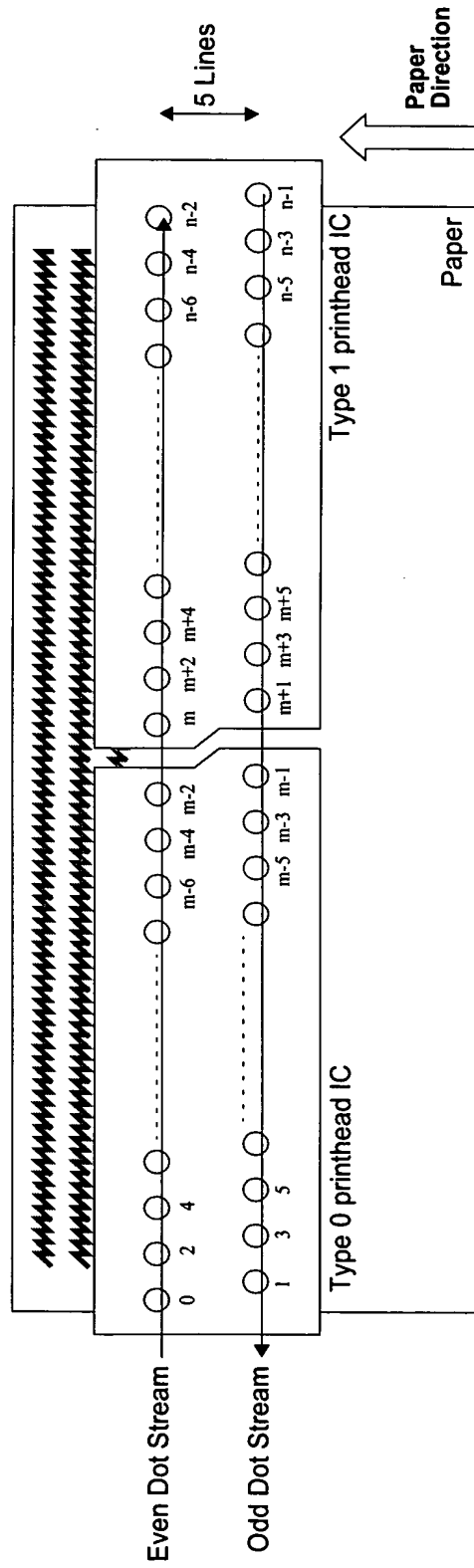


FIG. 269

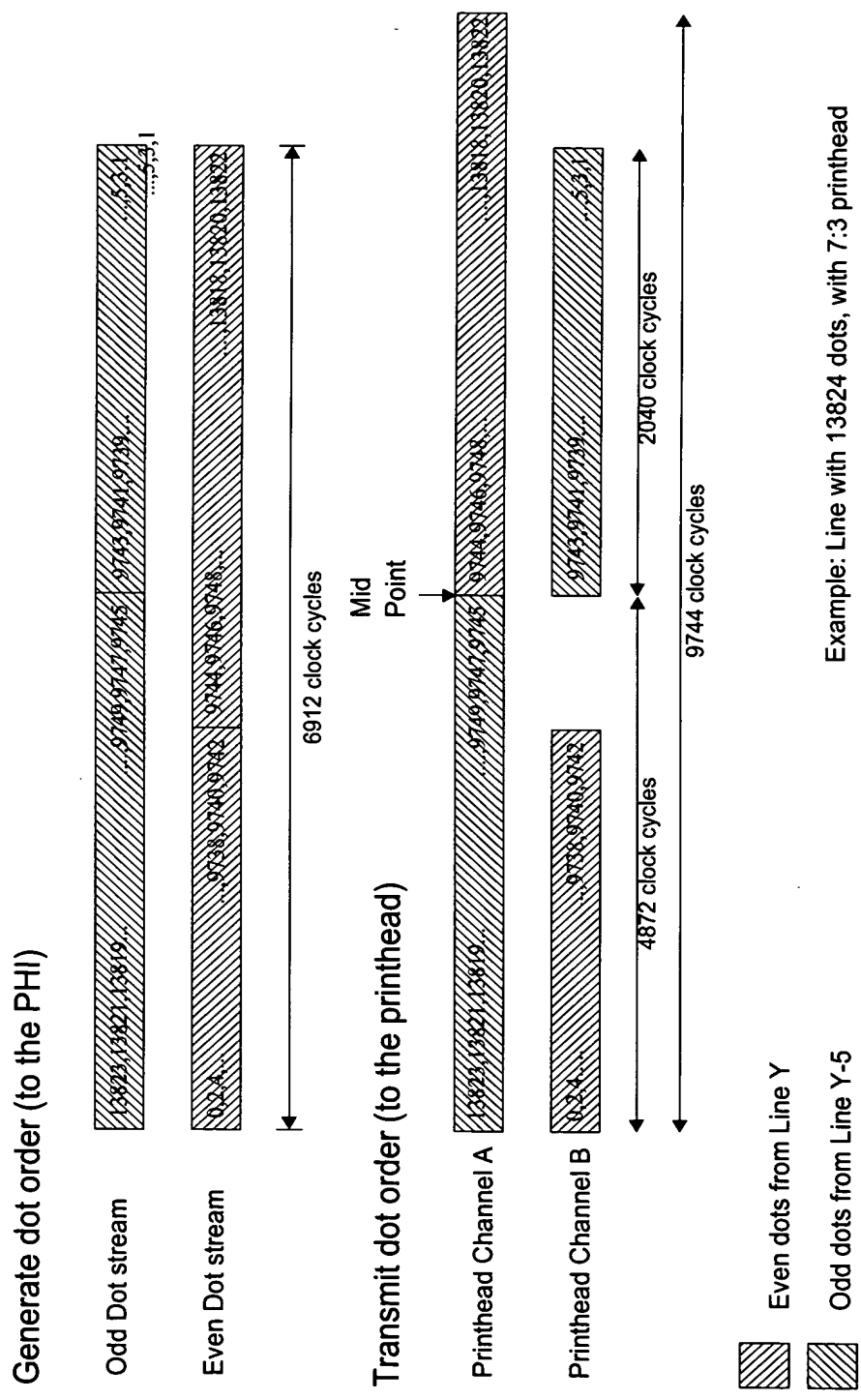


FIG. 270

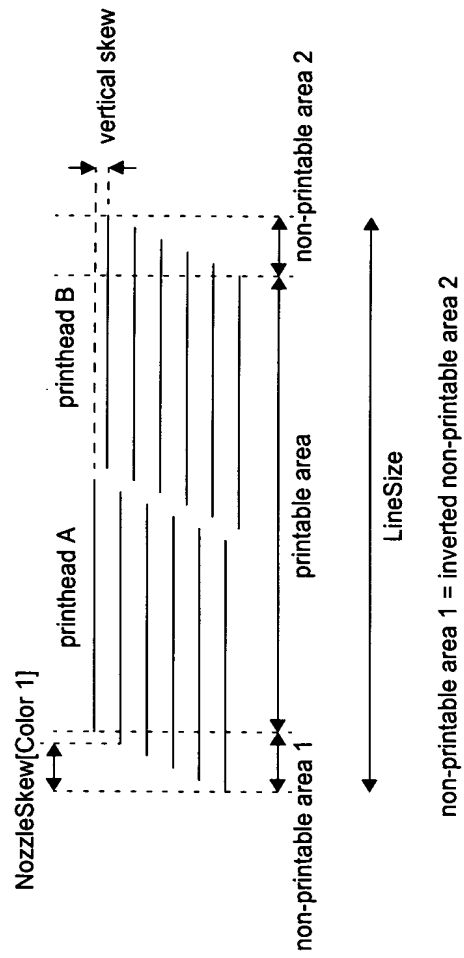


FIG. 271

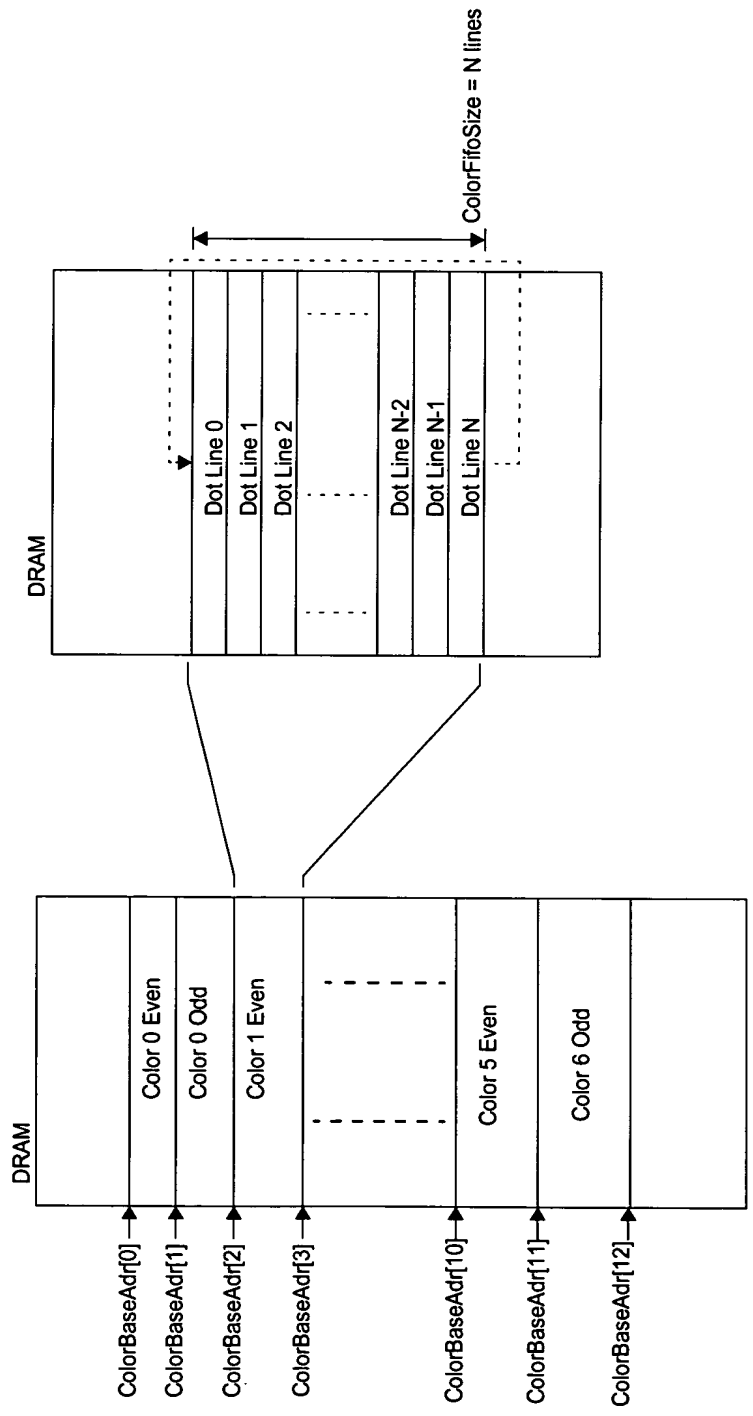


FIG. 272

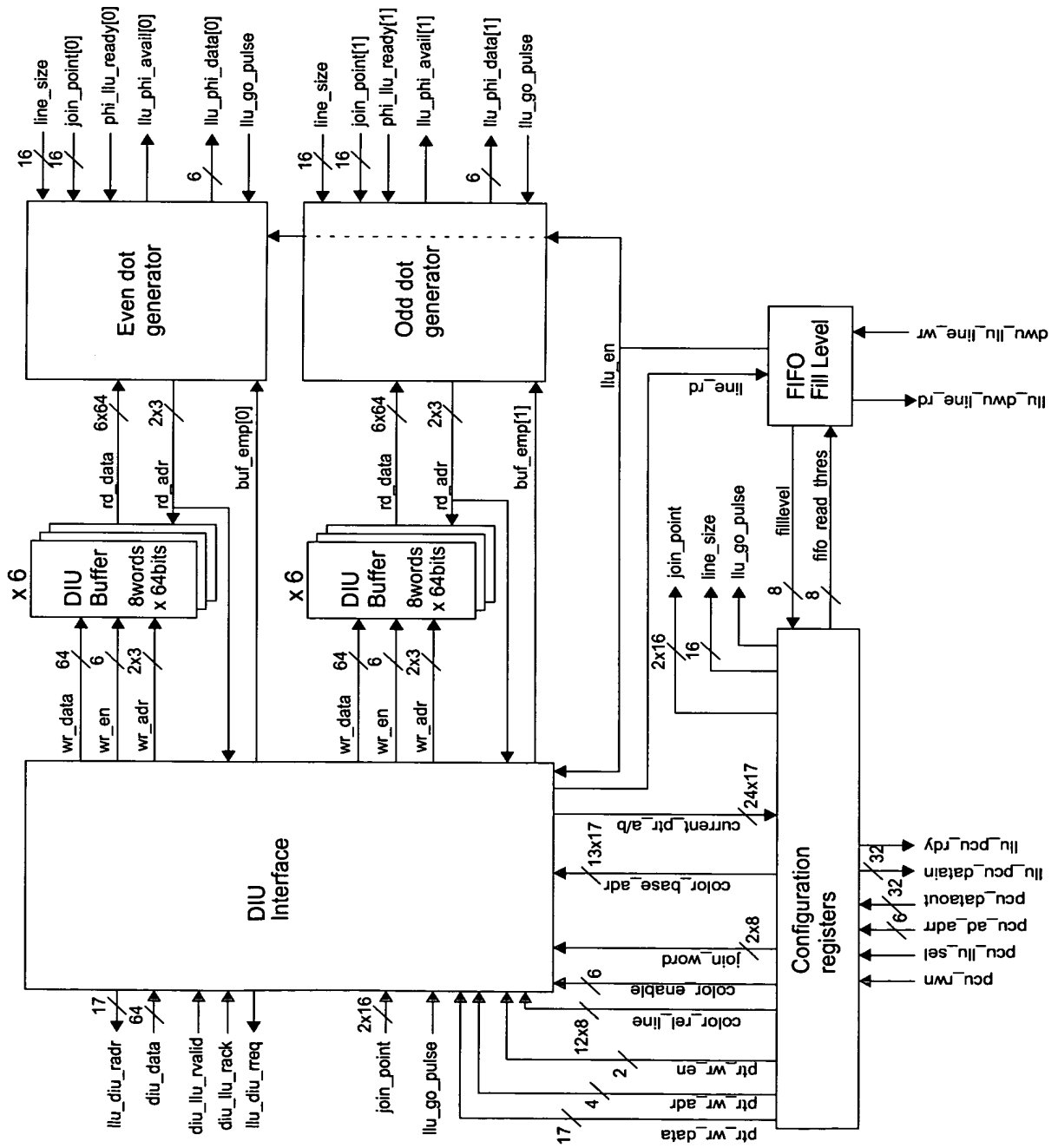


FIG. 273

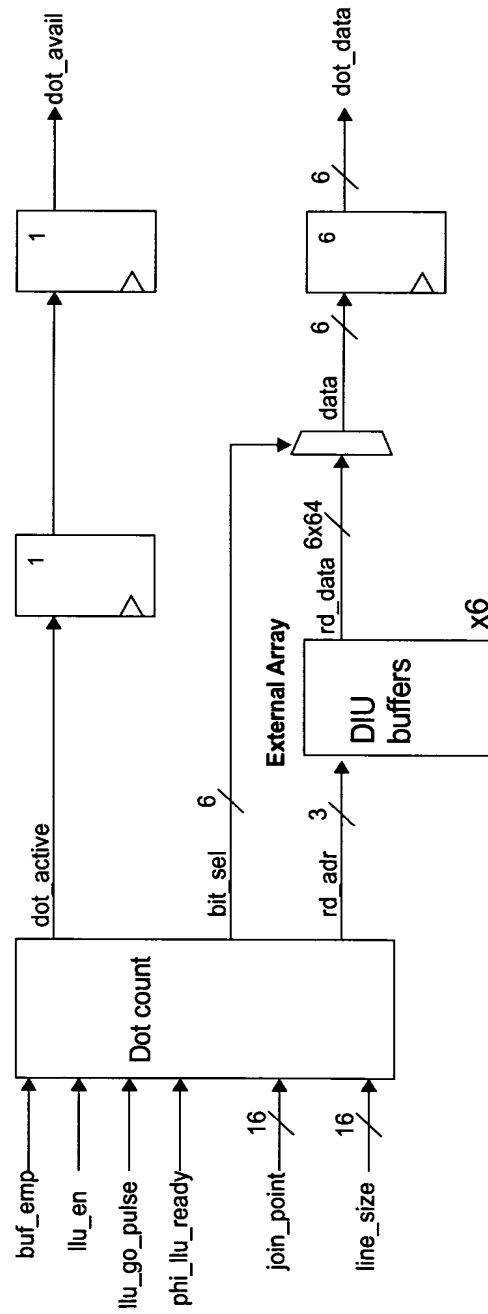


FIG. 274

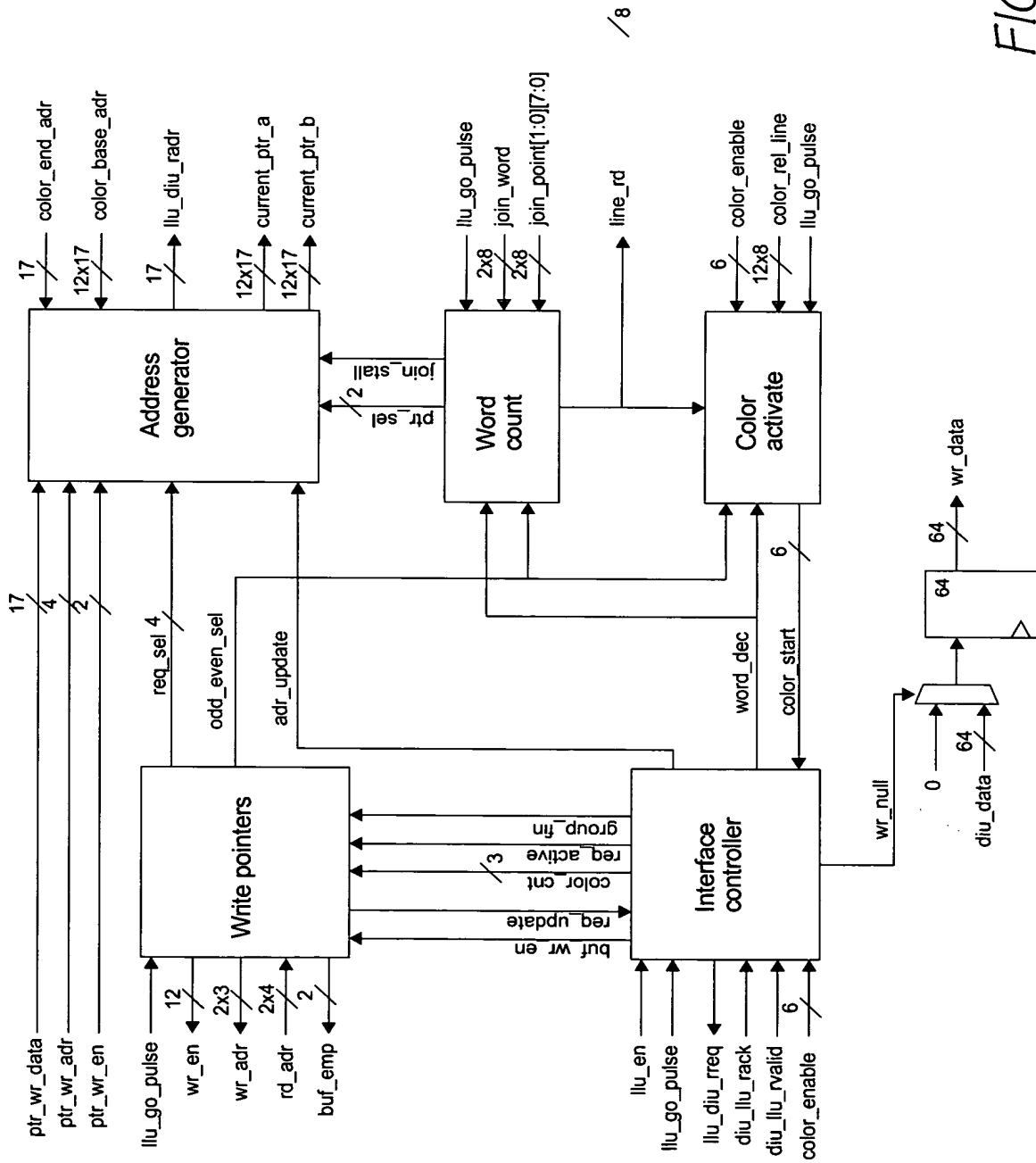


FIG. 275

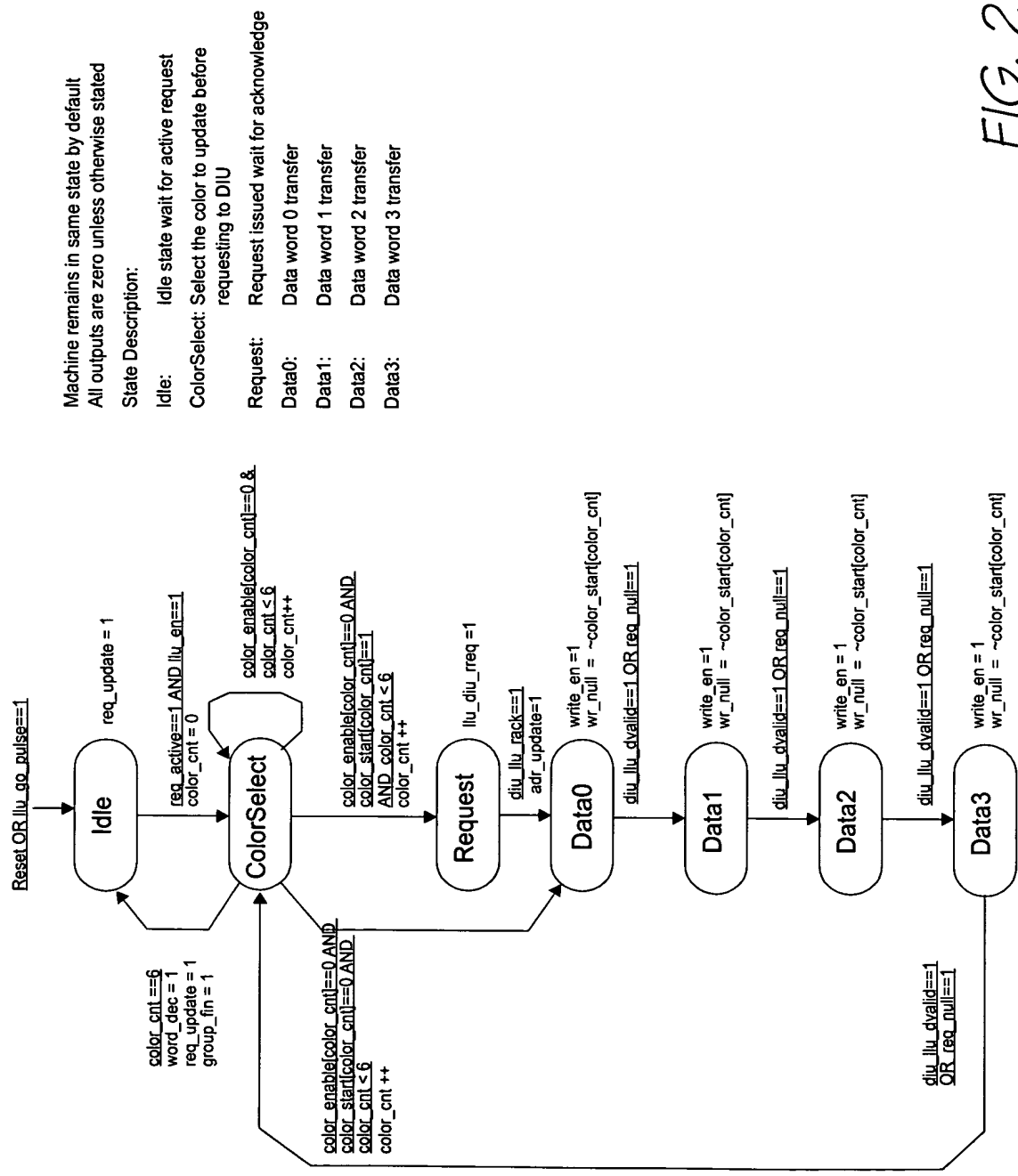


FIG. 276

Machine remains in same state by default
All outputs are zero unless otherwise stated

State Description:

Idle: Idle state wait for active request

ColorSelect: Select the color to update before requesting to DIU

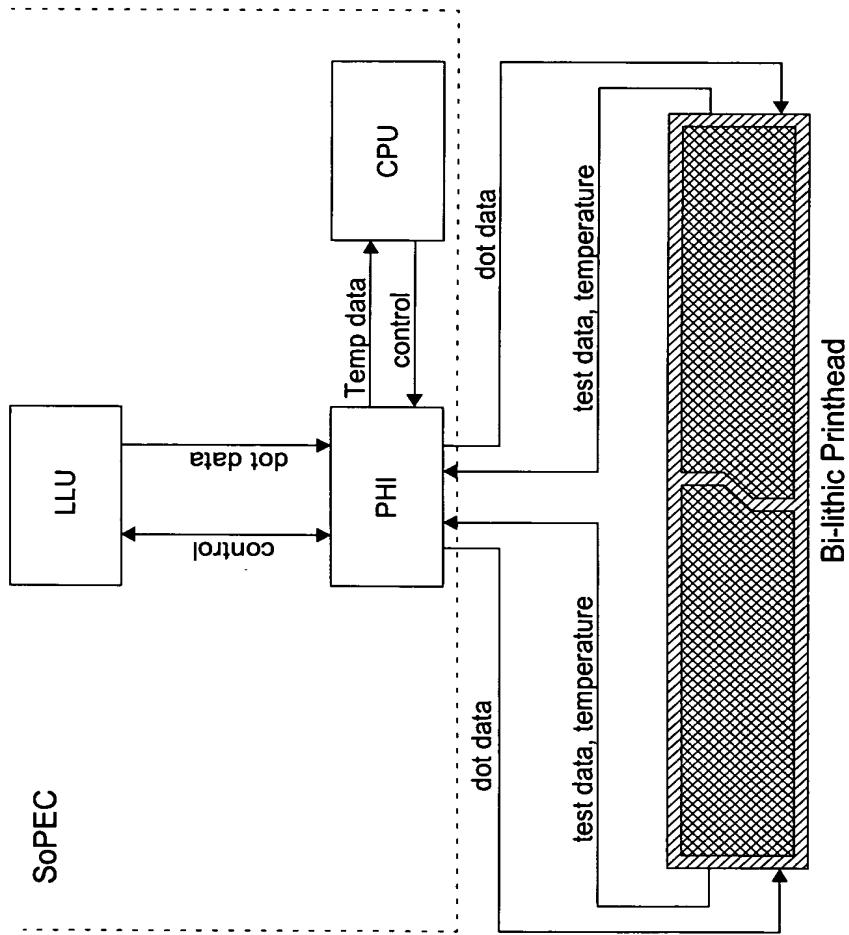
Request: Request issued wait for acknowledge

Data0: Data word 0 transfer

Data1: Data word 1 transfer

Data2: Data word 2 transfer

Data3: Data word 3 transfer

*FIG. 277*

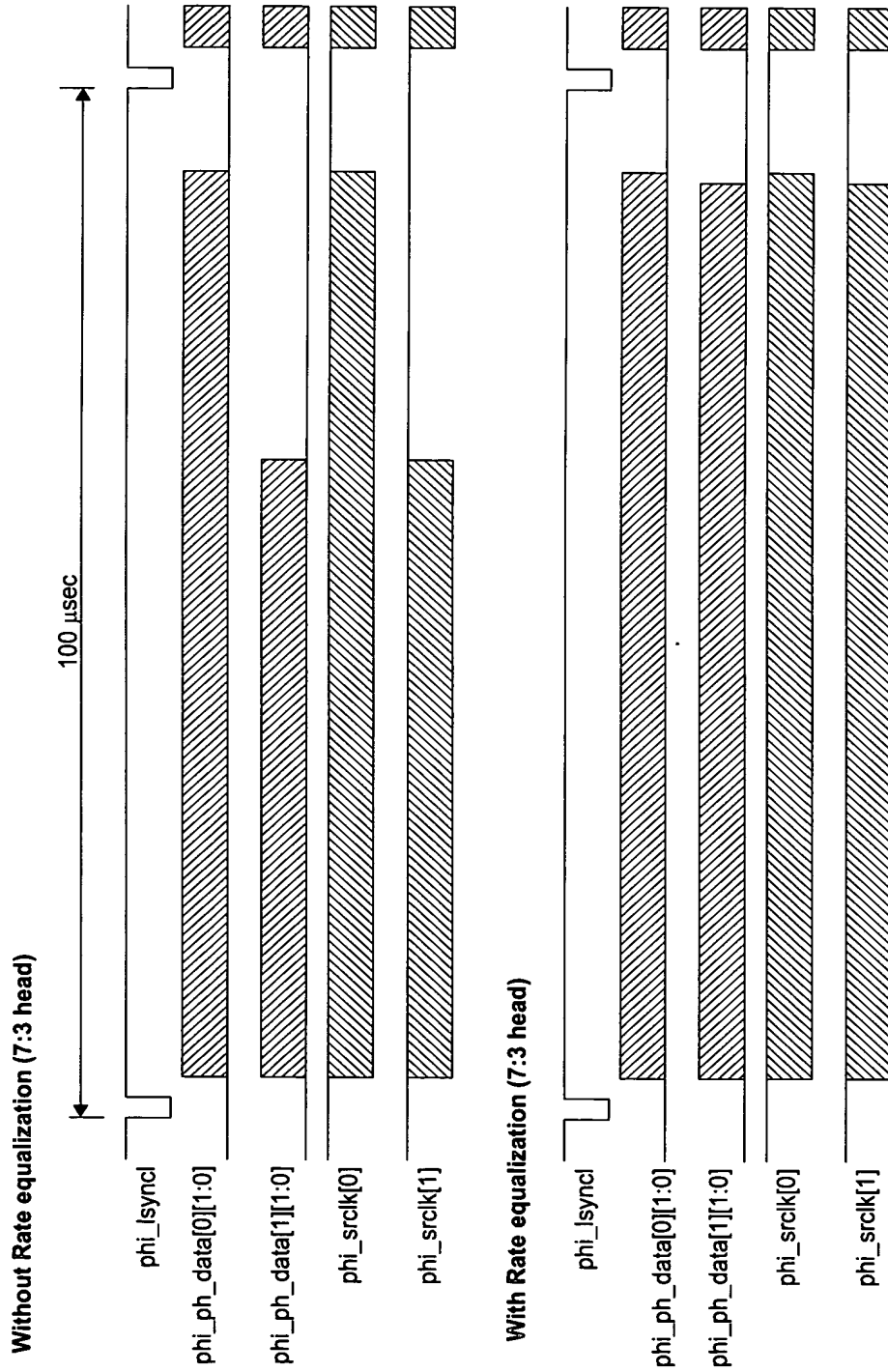
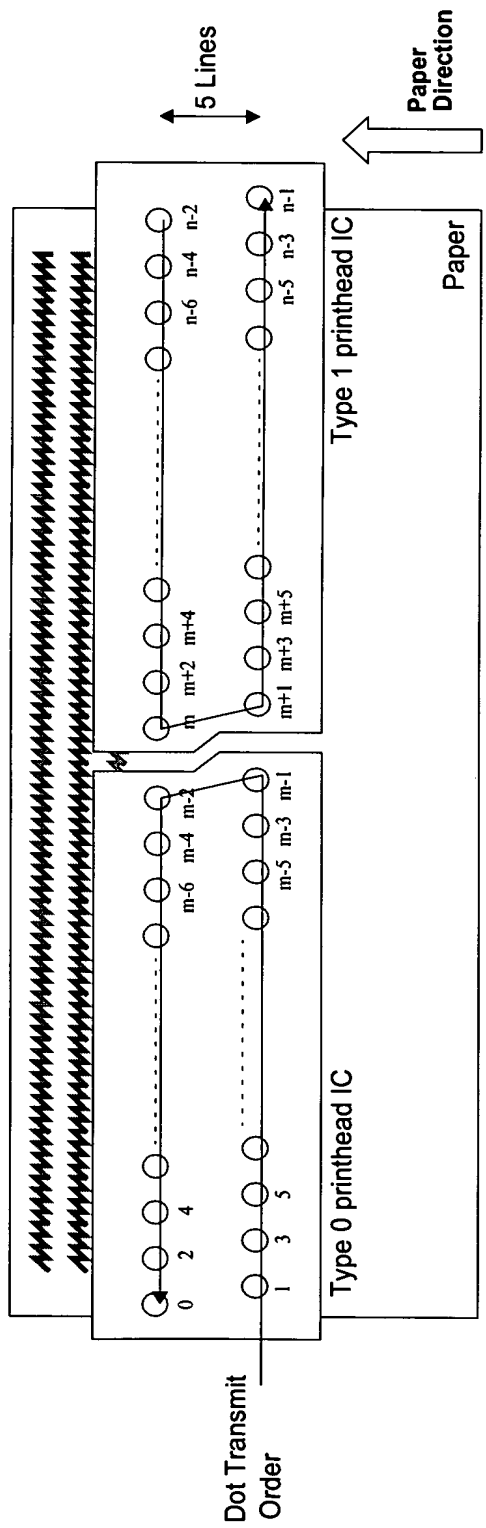


FIG. 279



M - Midway point in dots
N - Number of dots in a line

Note: Paper passing under printhead

FIG. 280

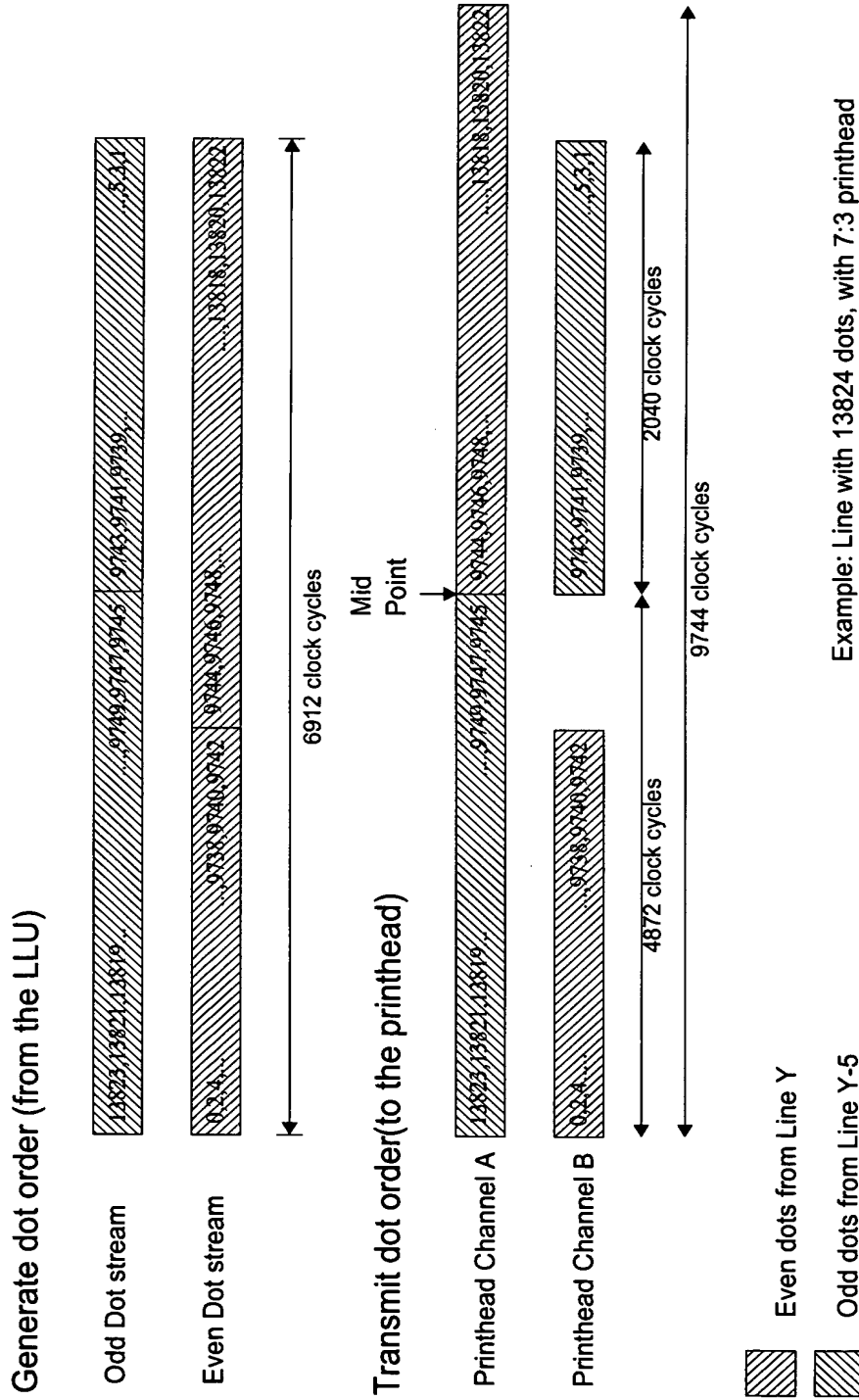


FIG. 281

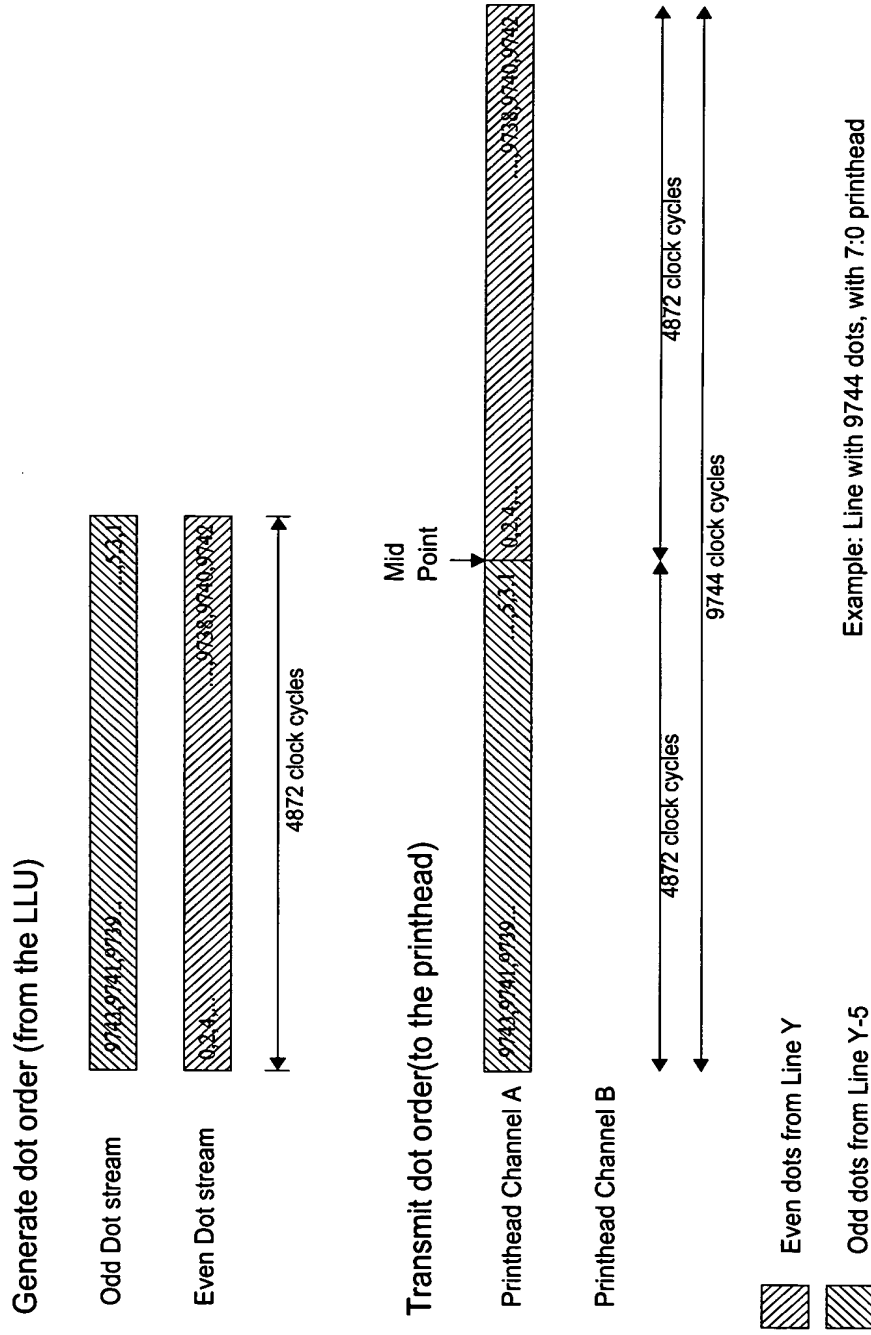


FIG. 282

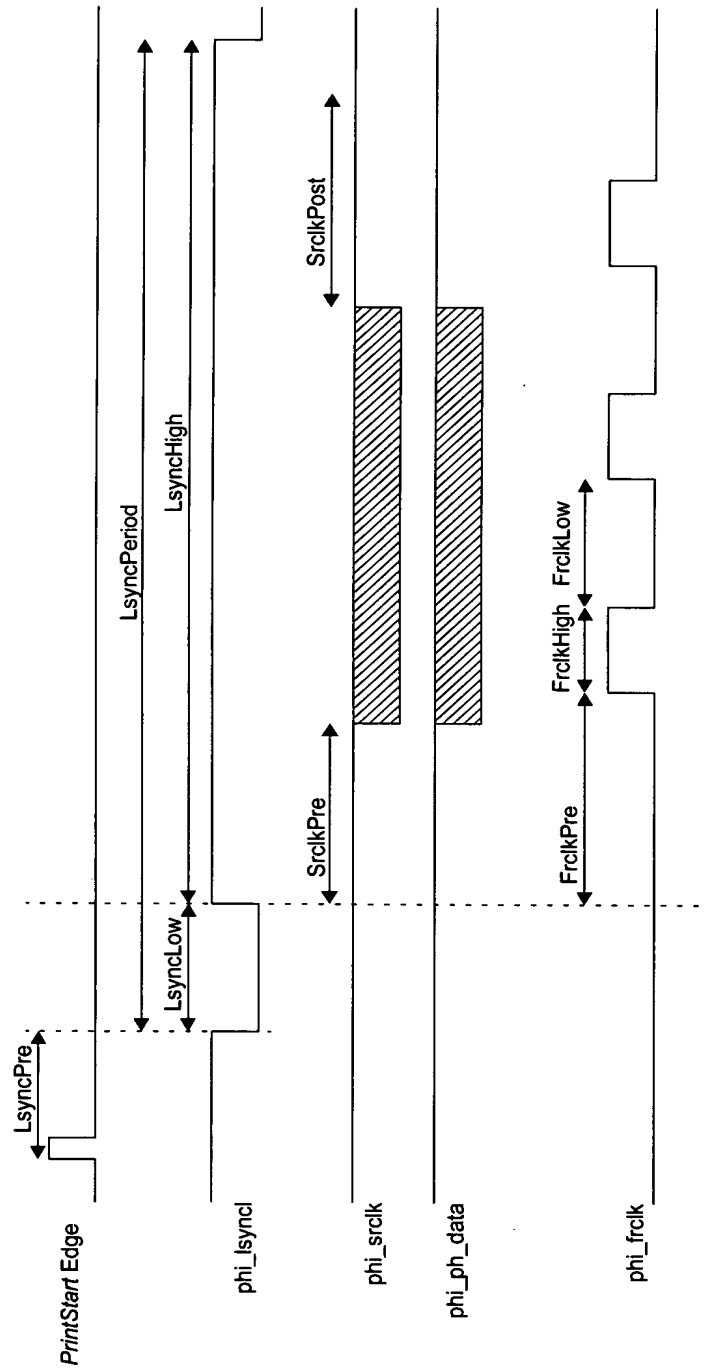


FIG. 283

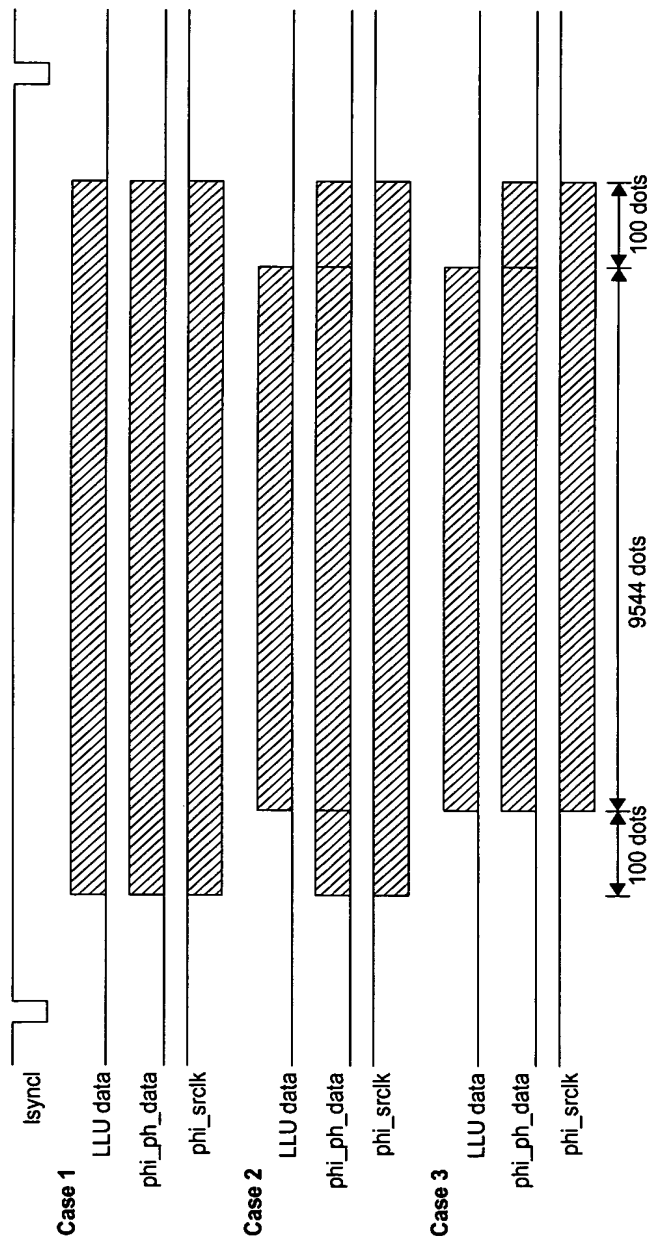
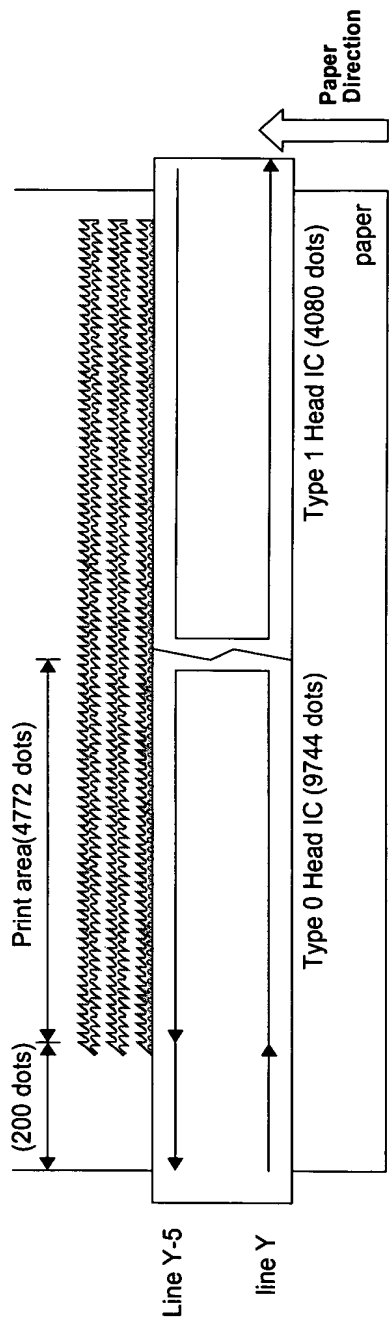


FIG. 284

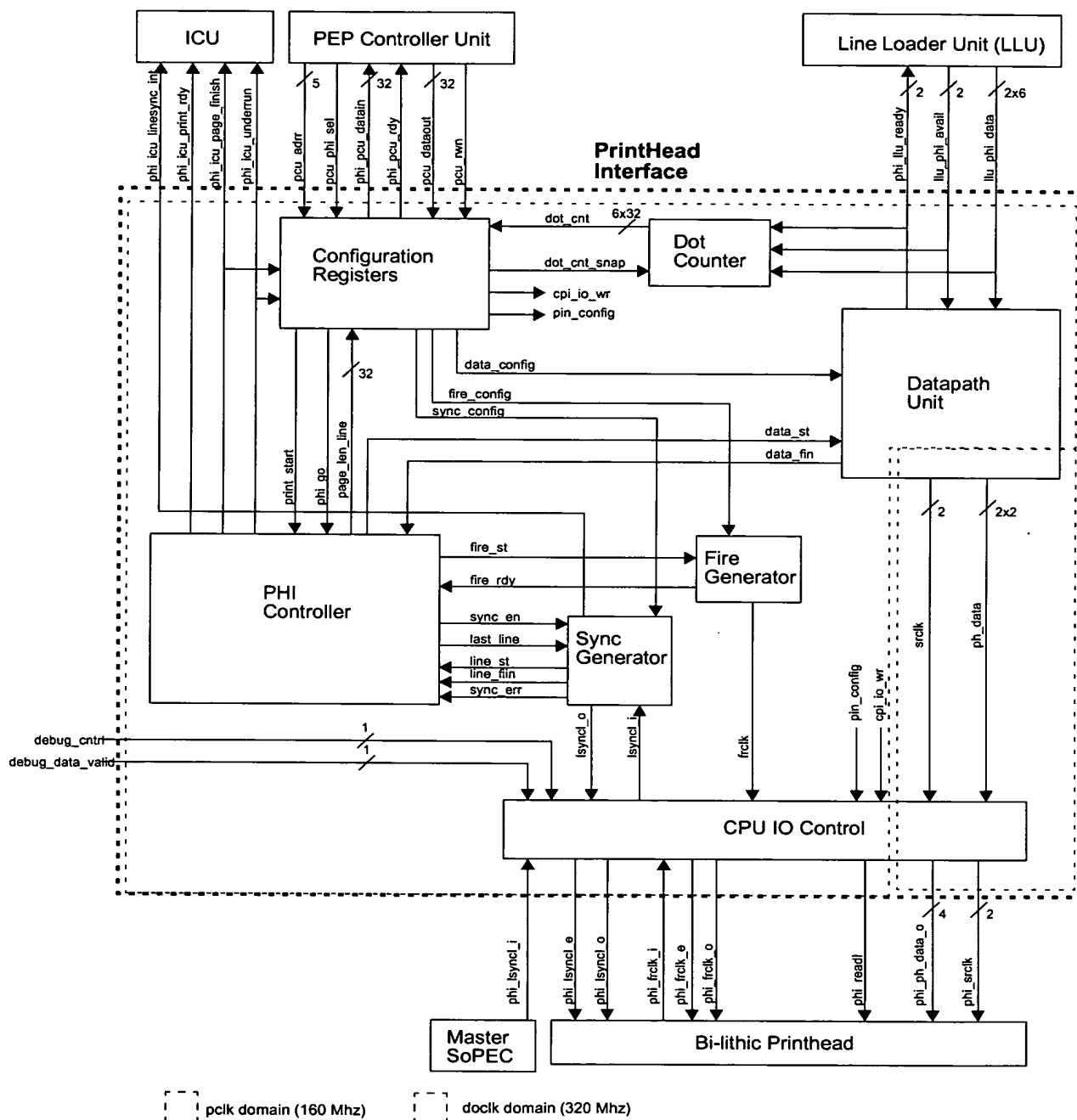


FIG. 285

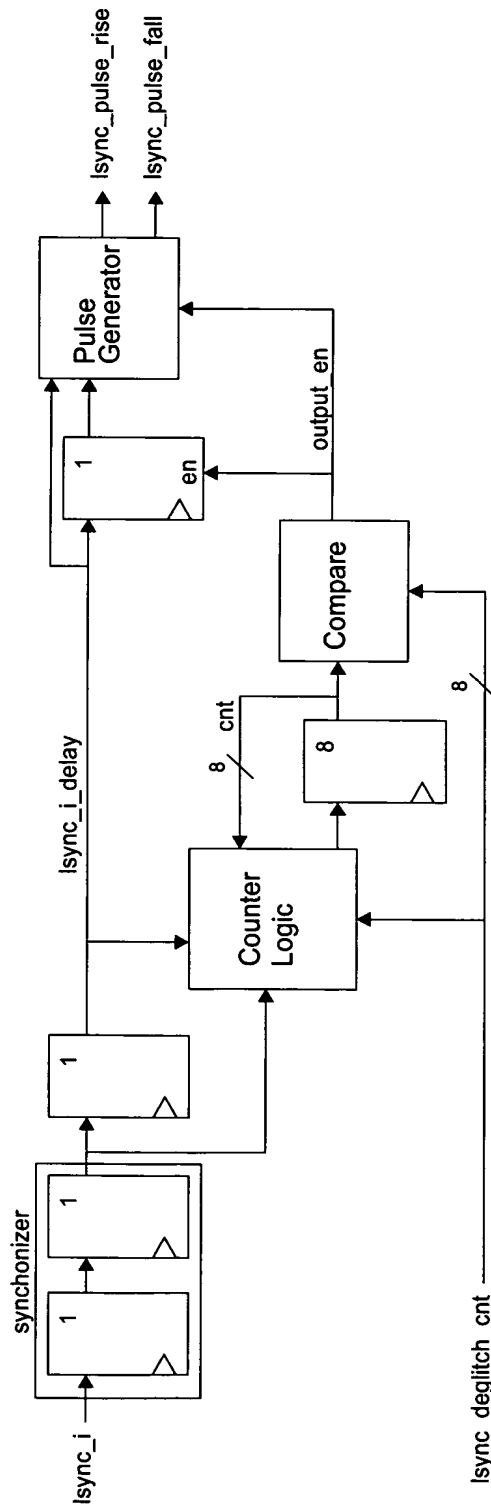
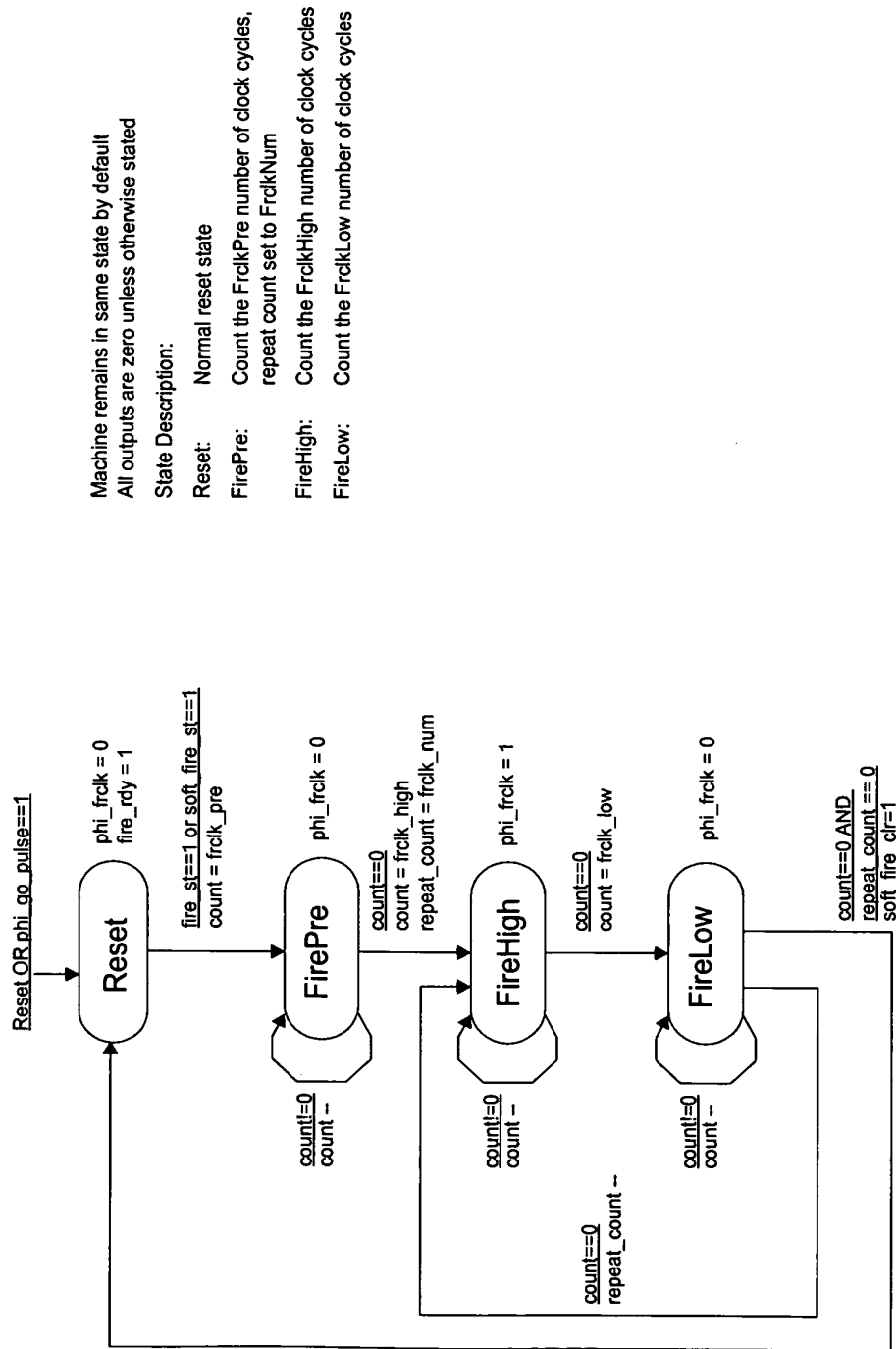


FIG. 287



Machine remains in same state by default
All outputs are zero unless otherwise stated

State Description:

Reset: Normal reset state

FirePre: Count the FrclkPre number of clock cycles, repeat count set to FrclkNum

FireHigh: Count the FrclkHigh number of clock cycles

FireLow: Count the FrclkLow number of clock cycles

FIG. 288

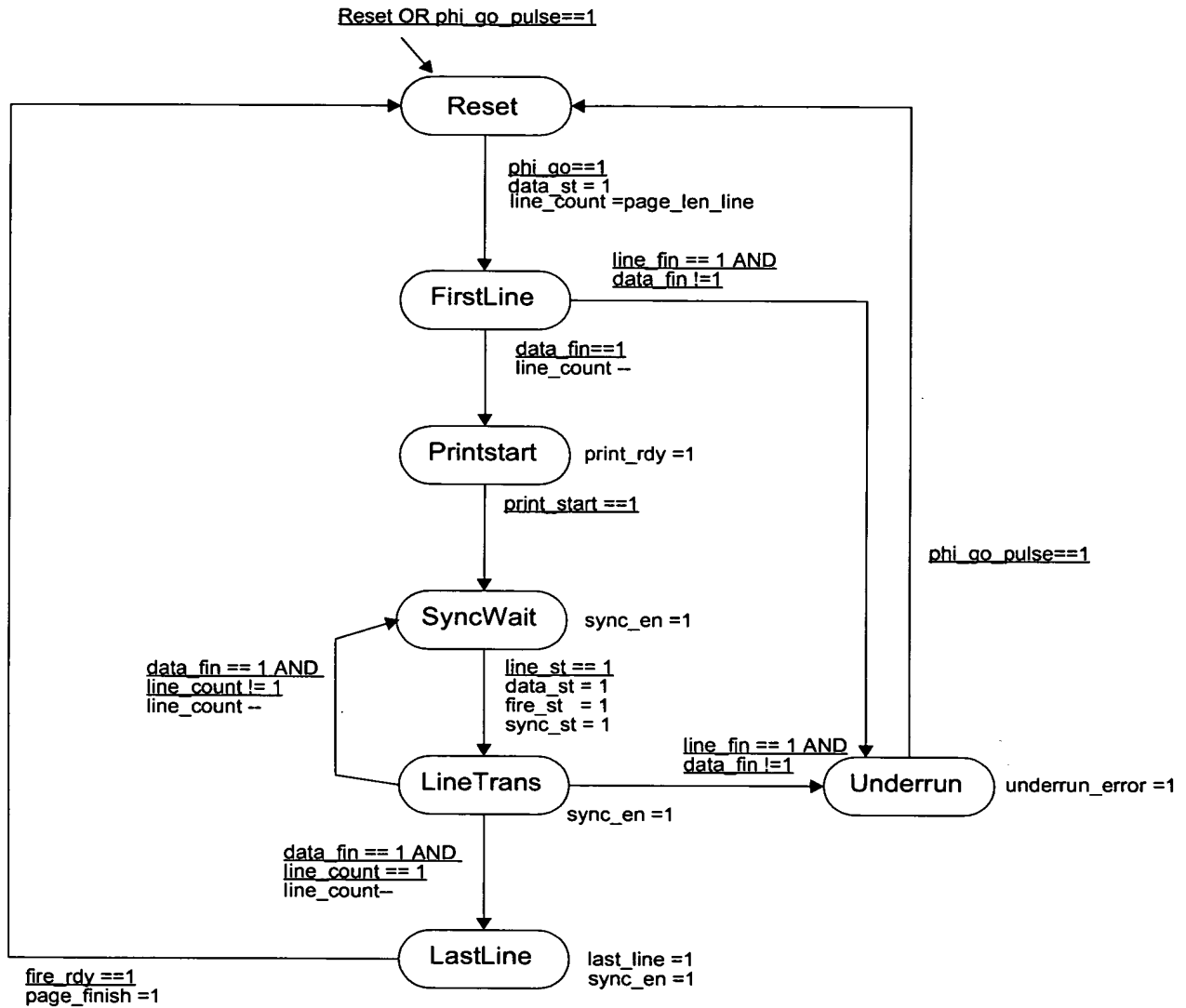


FIG. 289

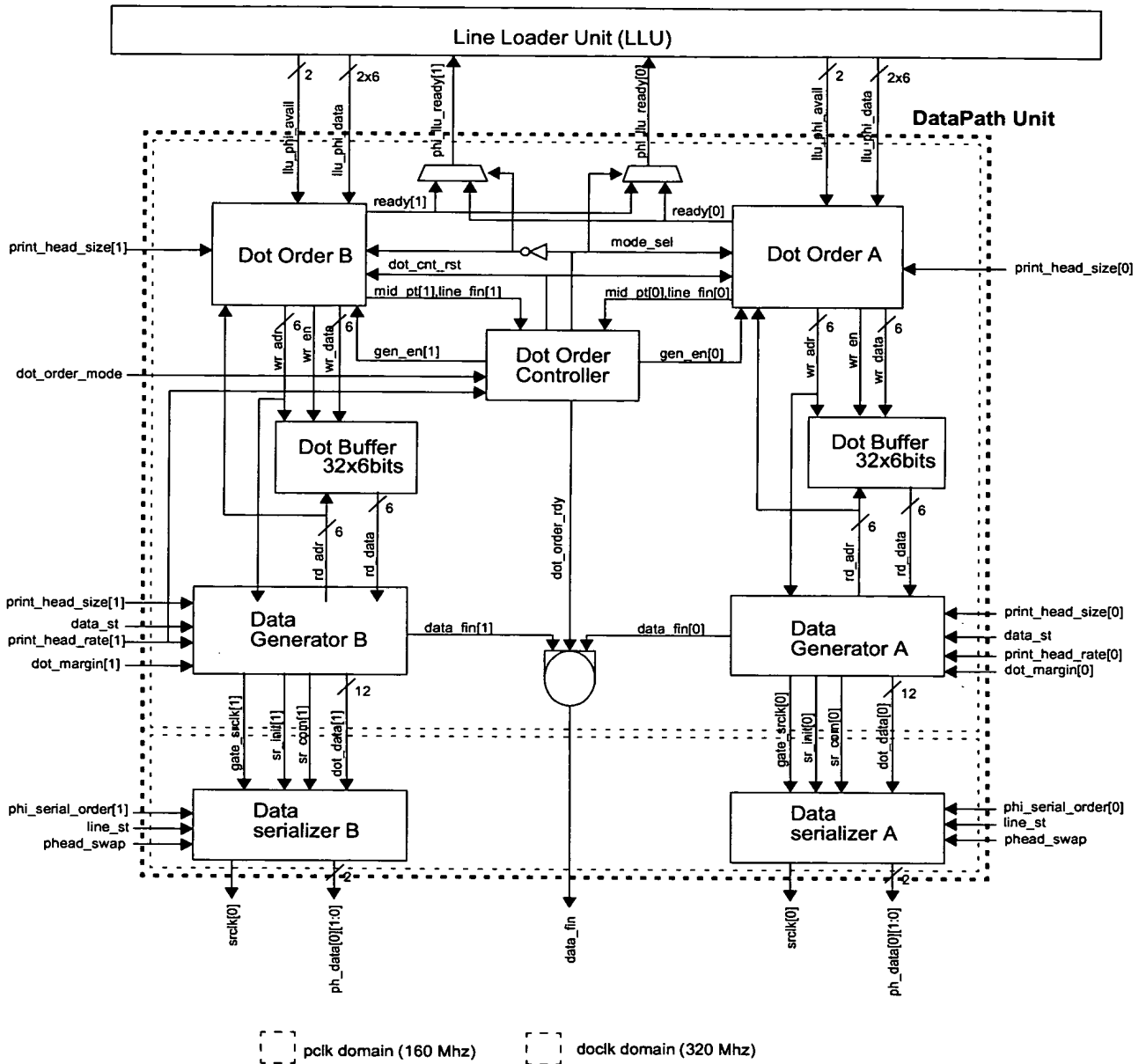


FIG. 290

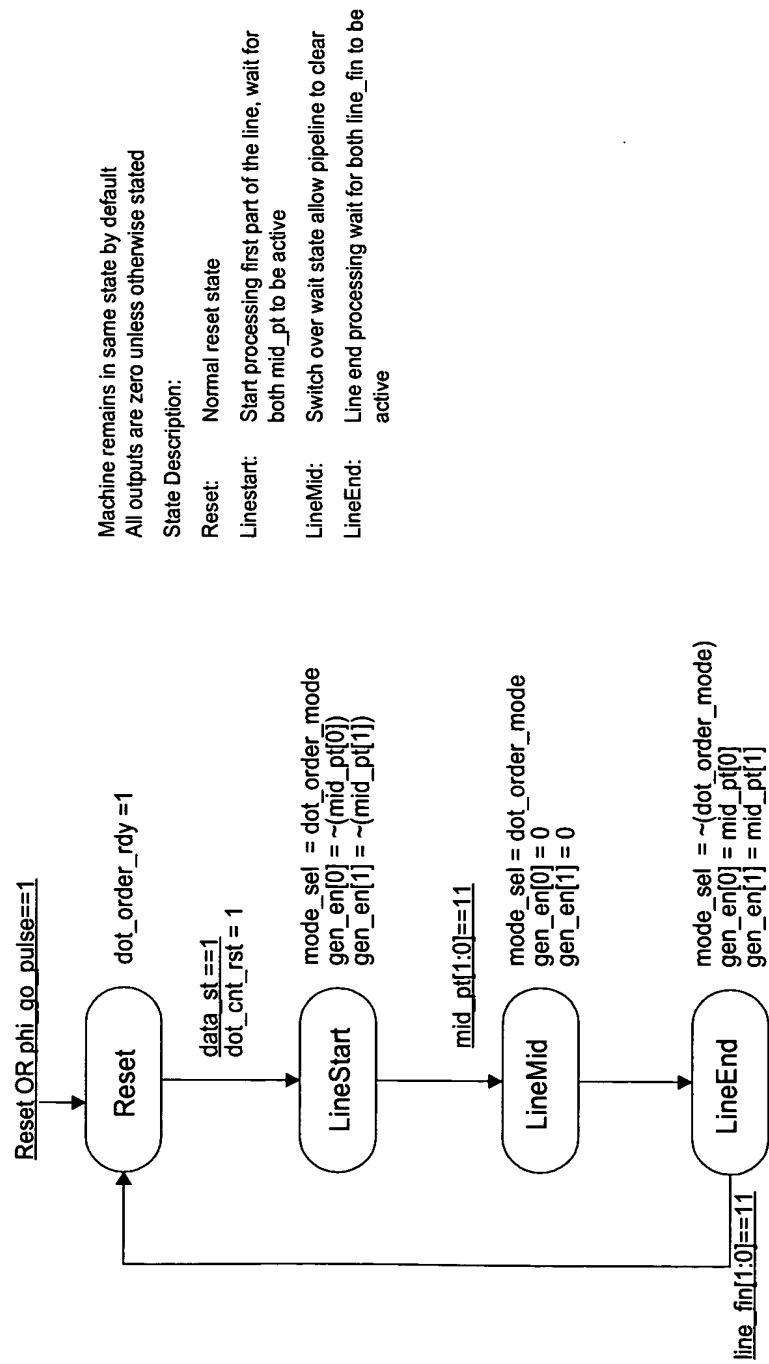


FIG. 291

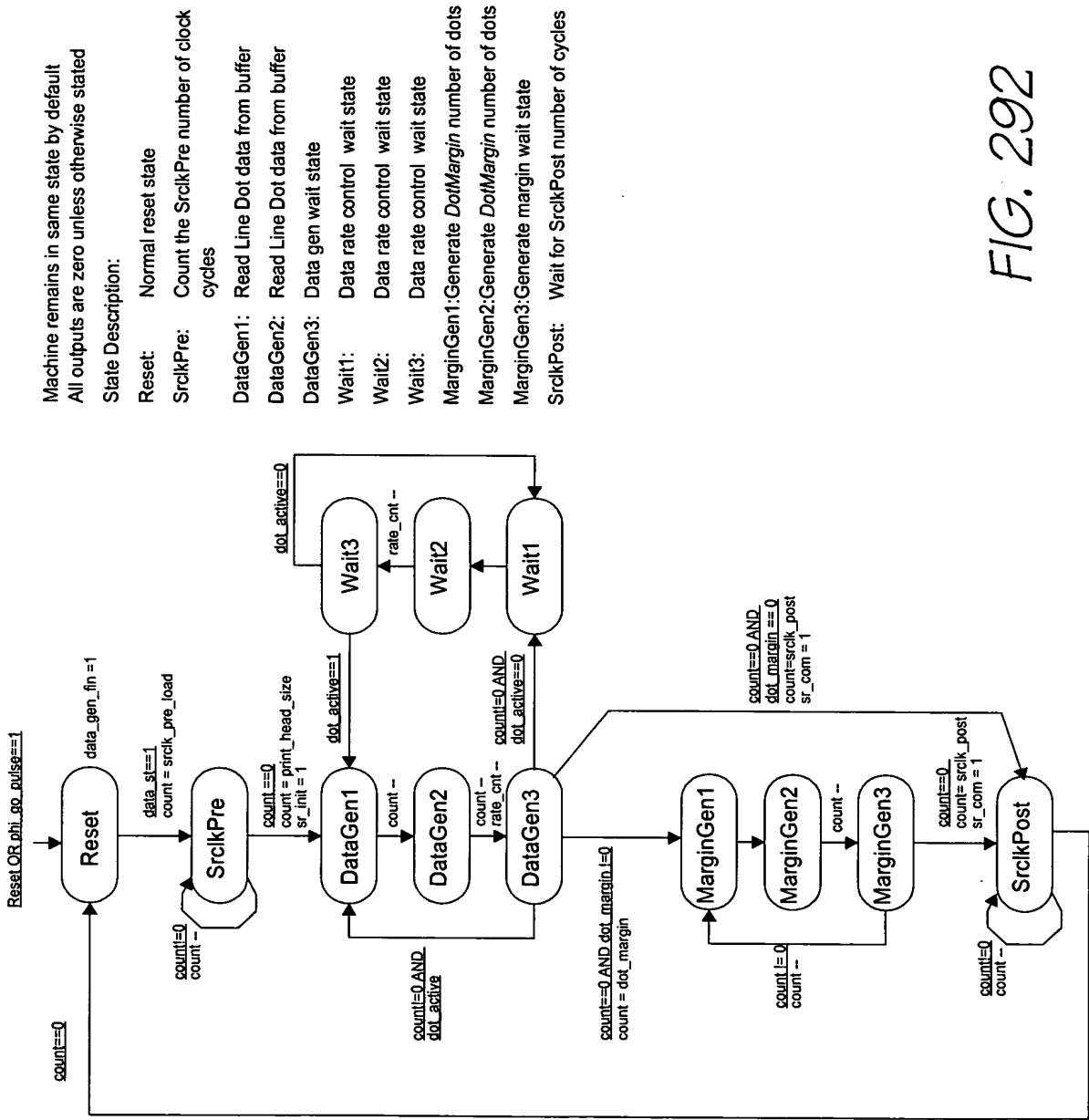


FIG. 292

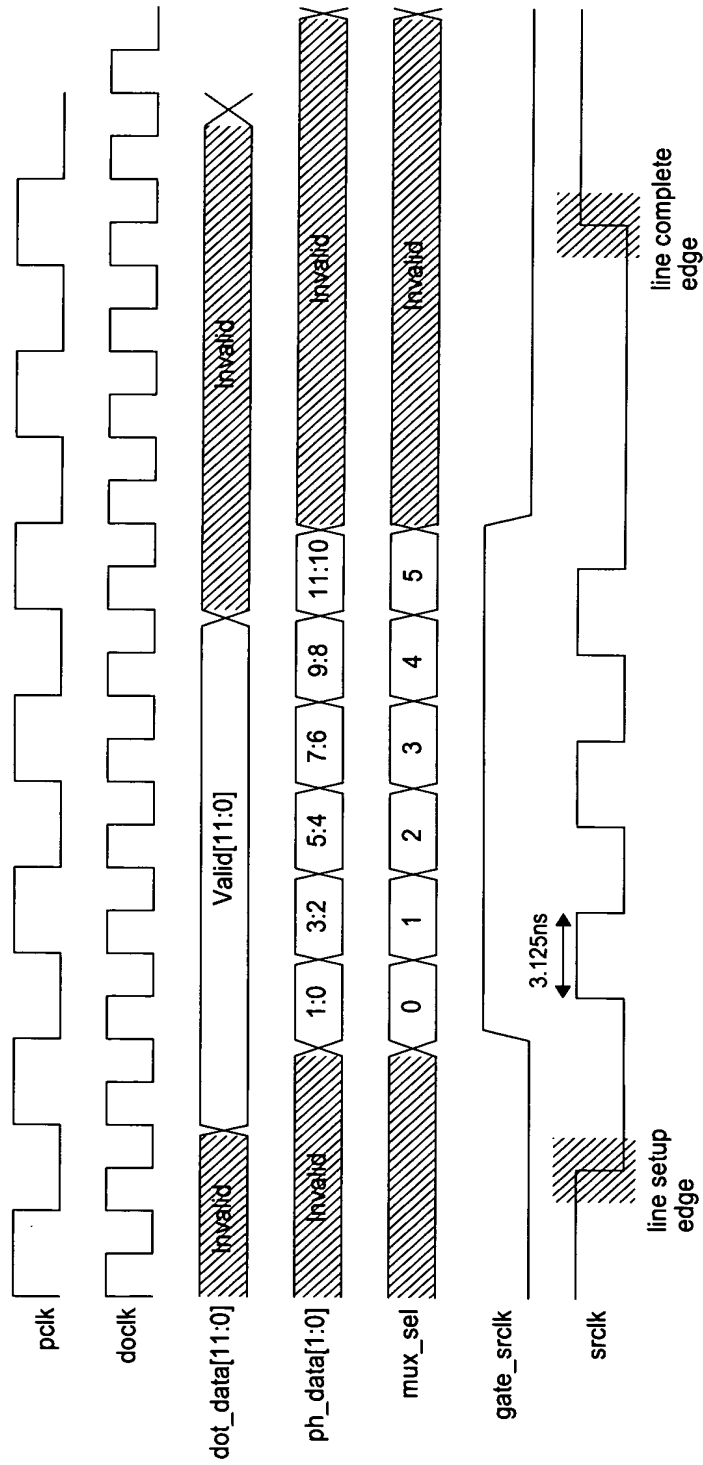


FIG. 293

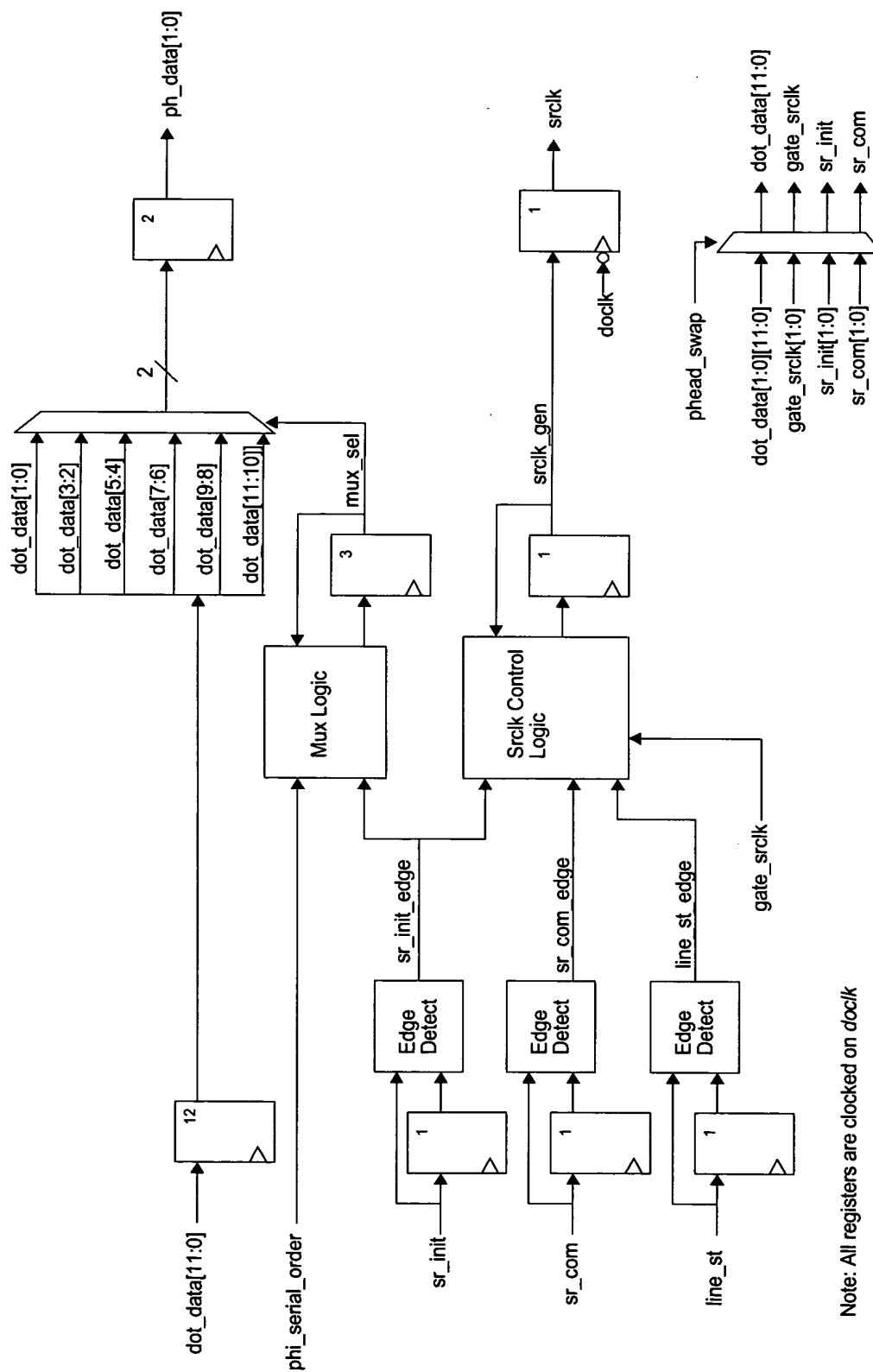


FIG. 294

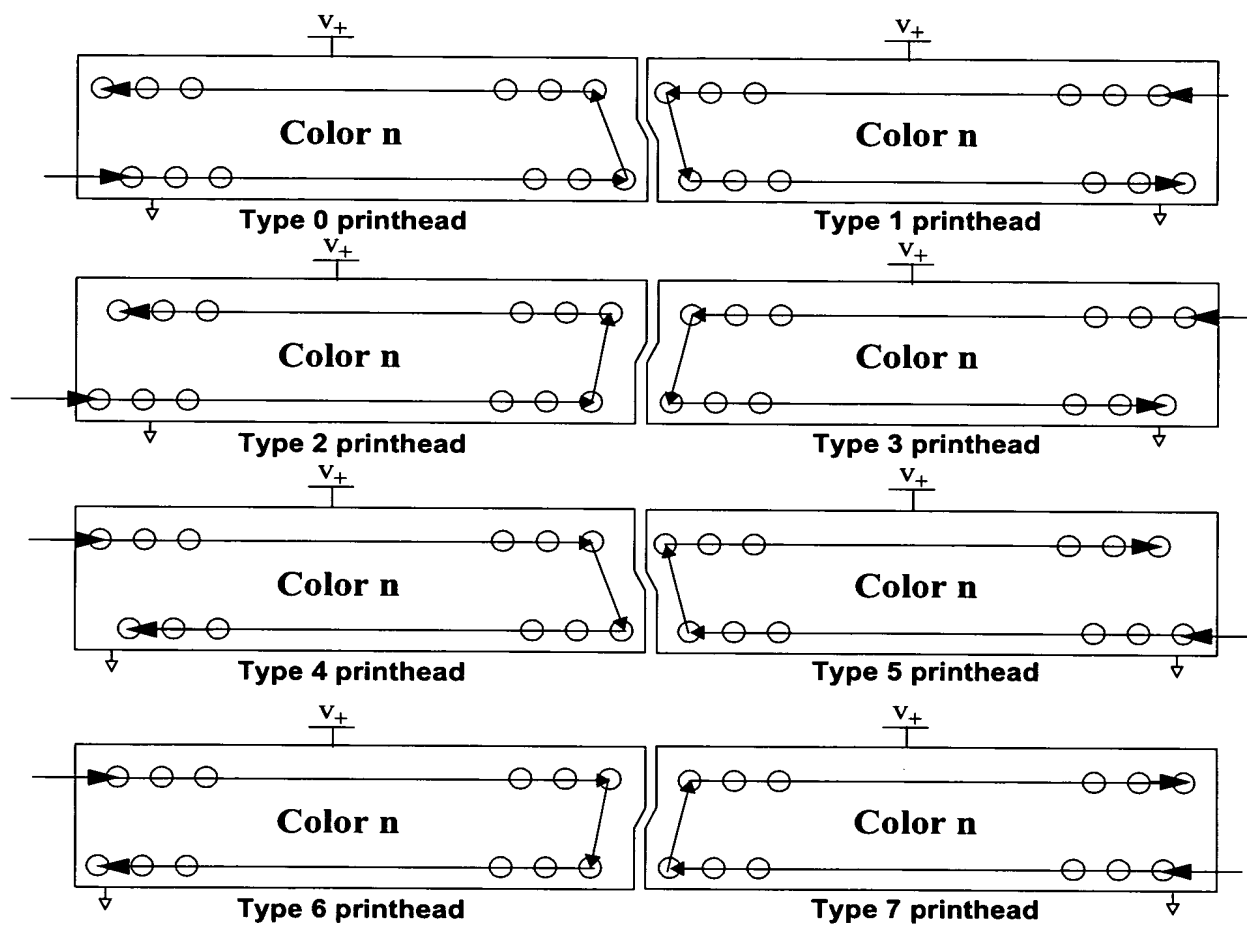


FIG. 295

255/331

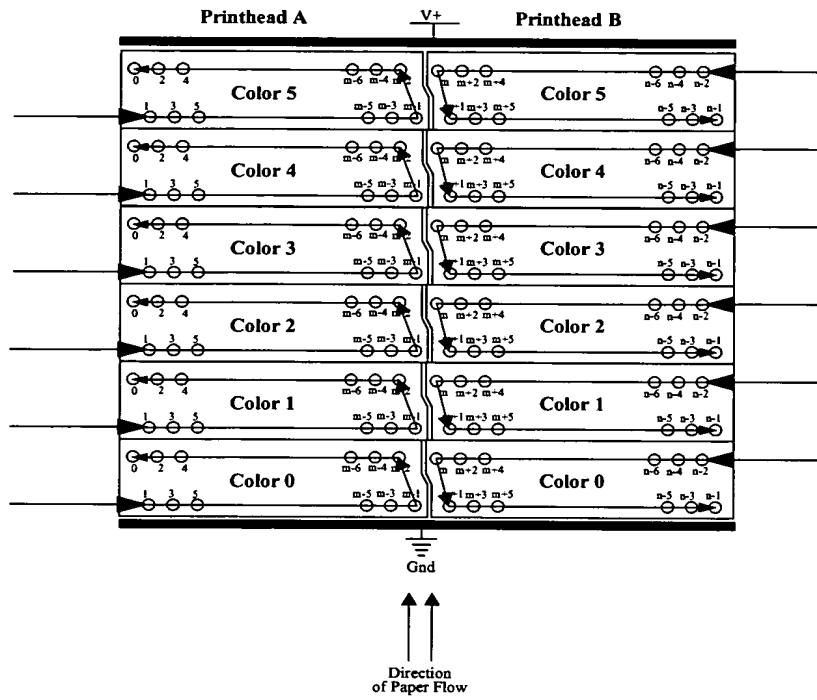


FIG. 296

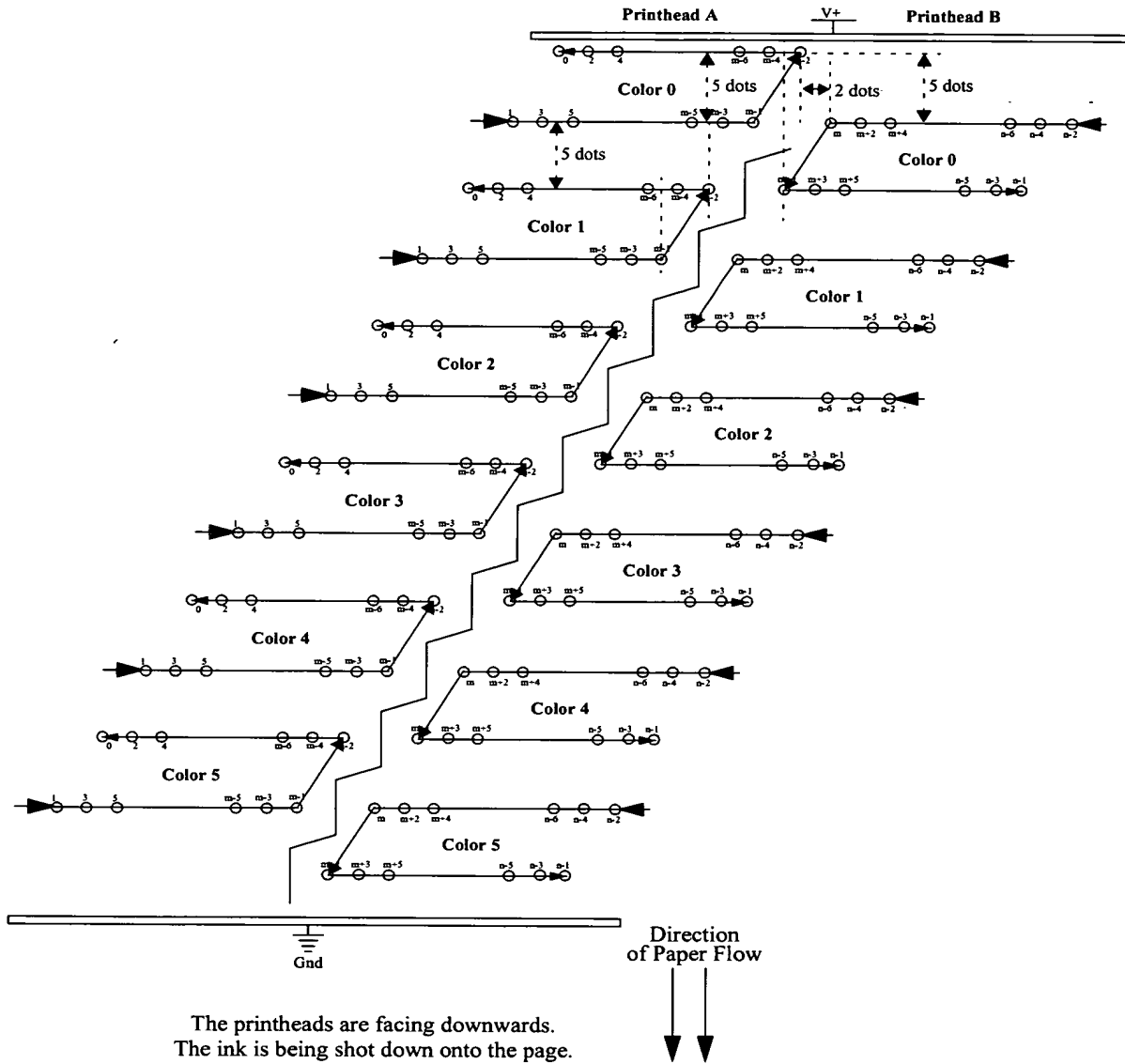


FIG. 297

257/331

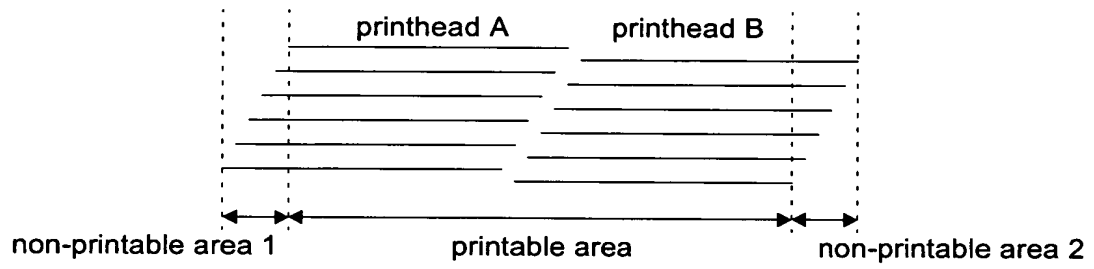


FIG. 298

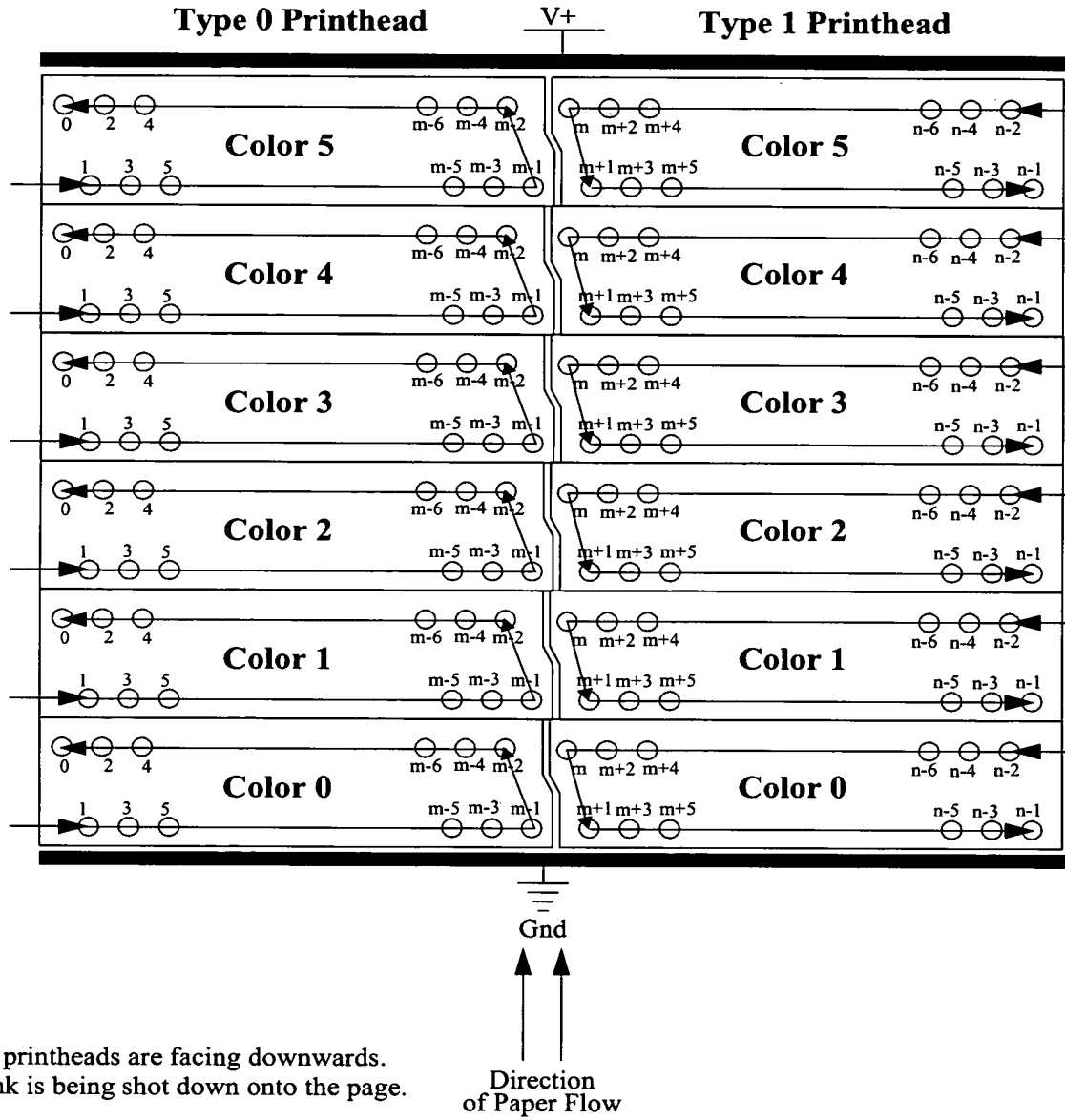


FIG. 299

259/331

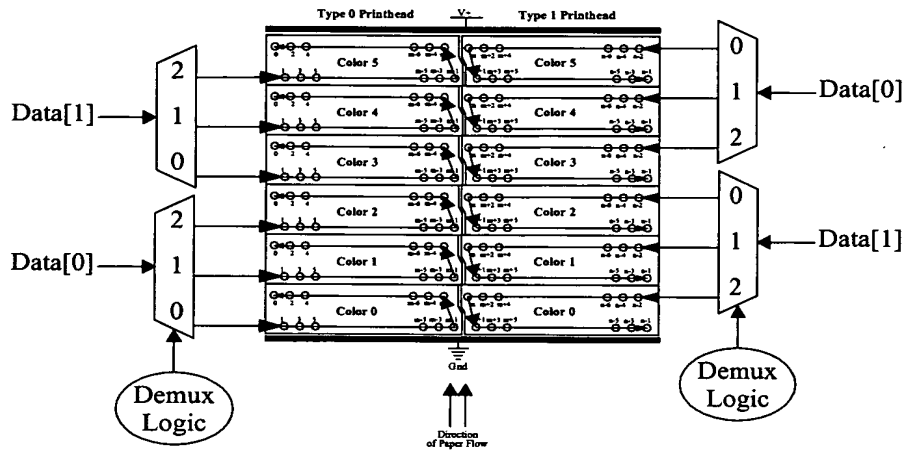


FIG. 300

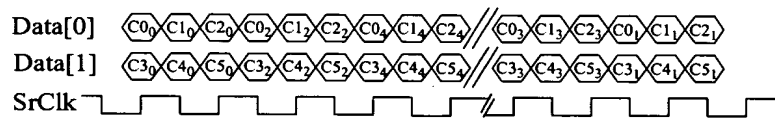


FIG. 301

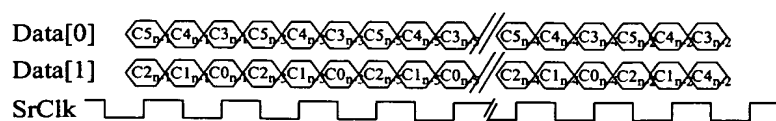


FIG. 302

The printheads are facing downwards.
The ink is being shot down onto the page.

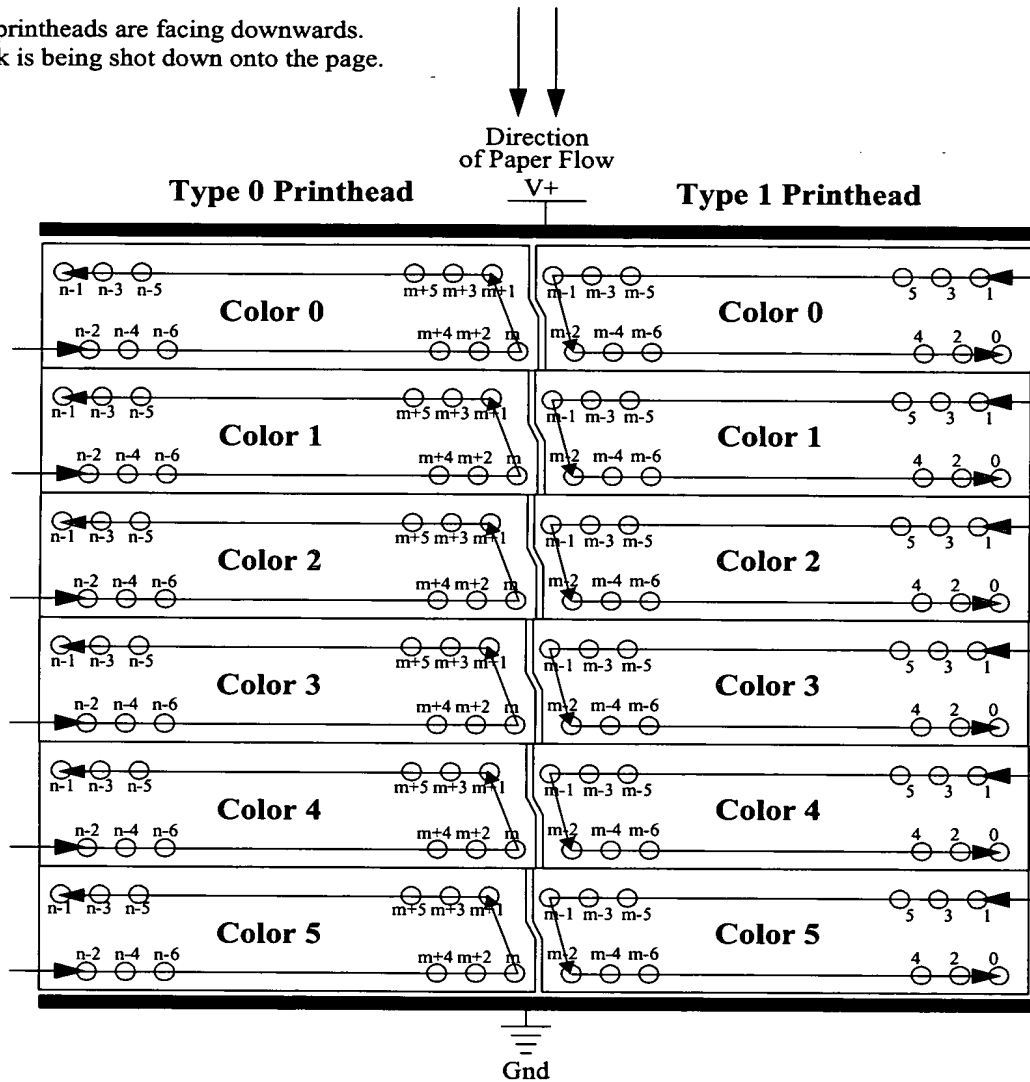
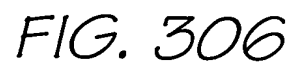
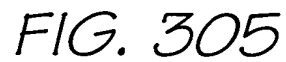
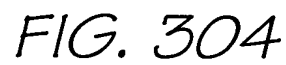


FIG. 303



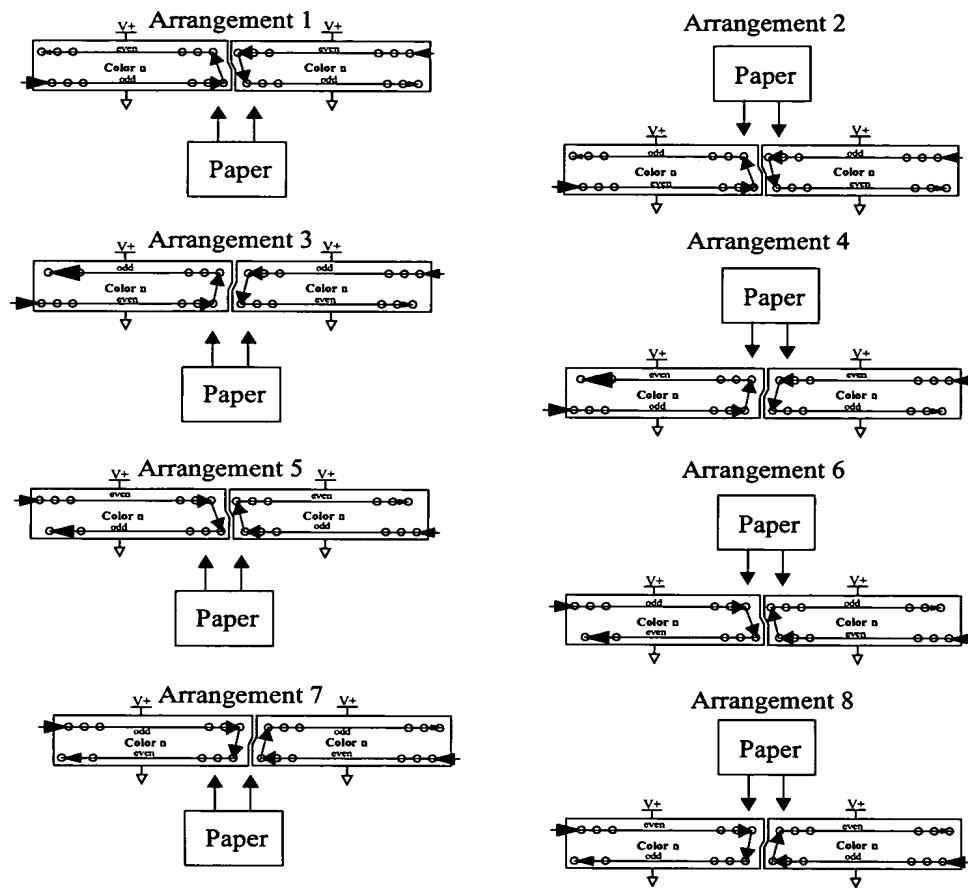


FIG. 307

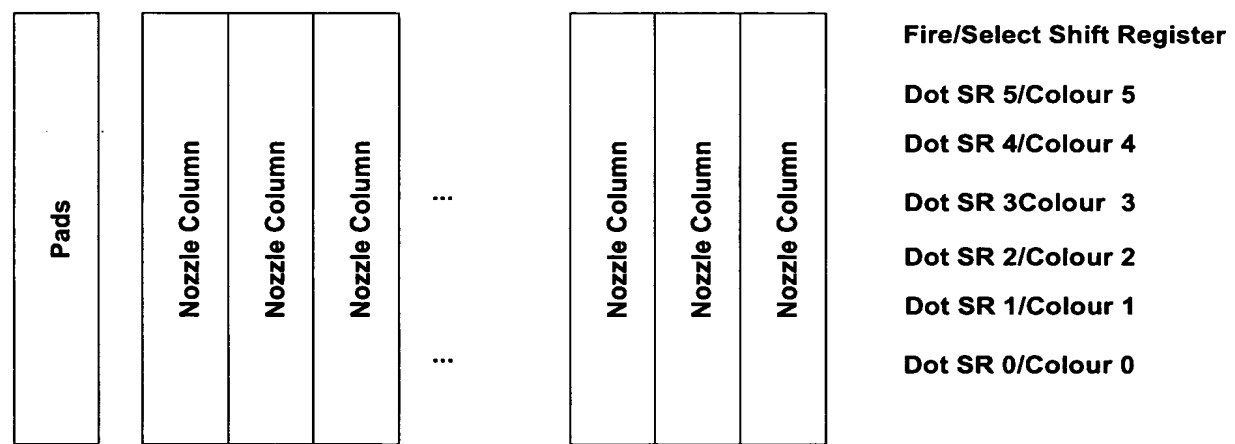


FIG. 308

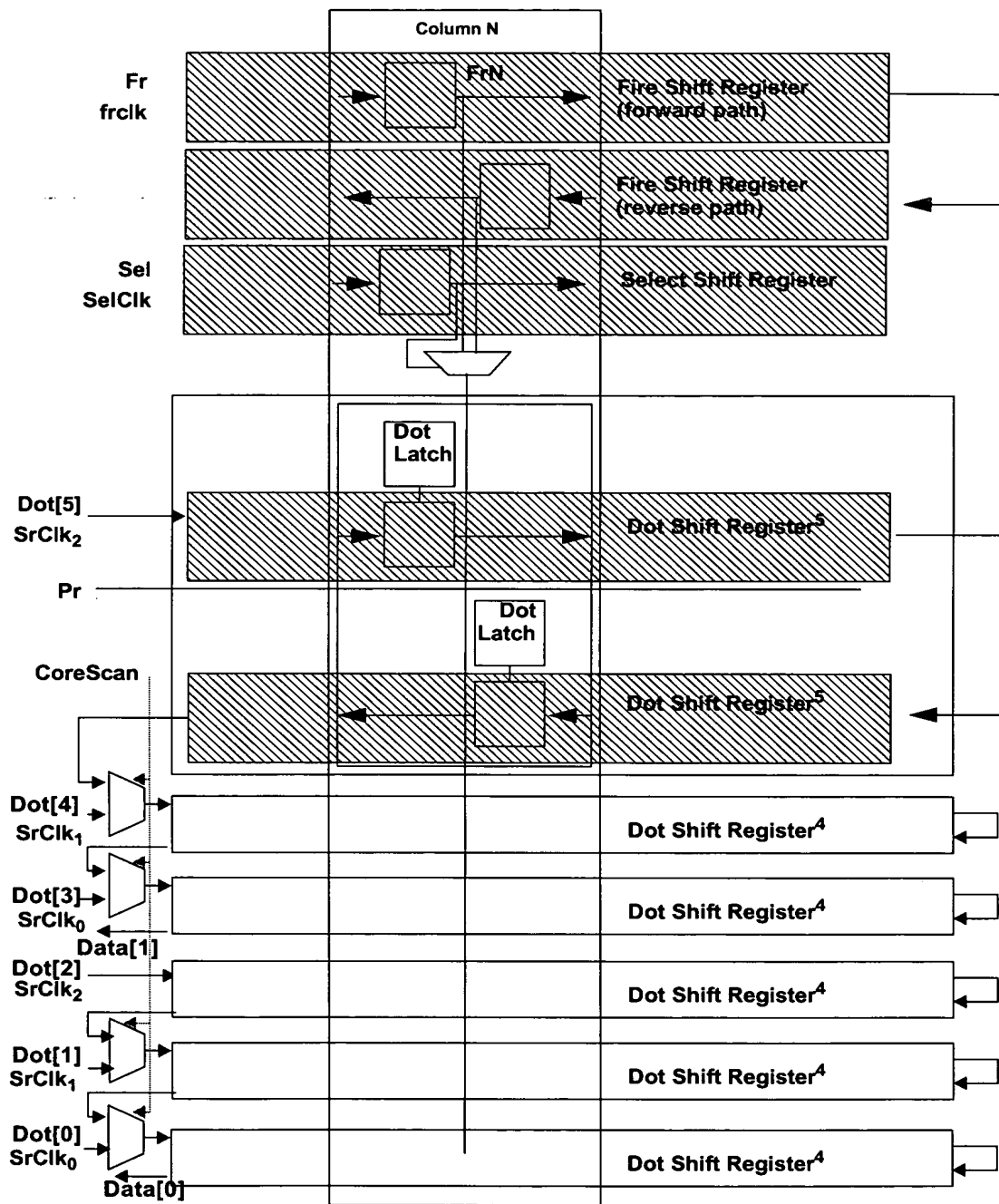


FIG. 309

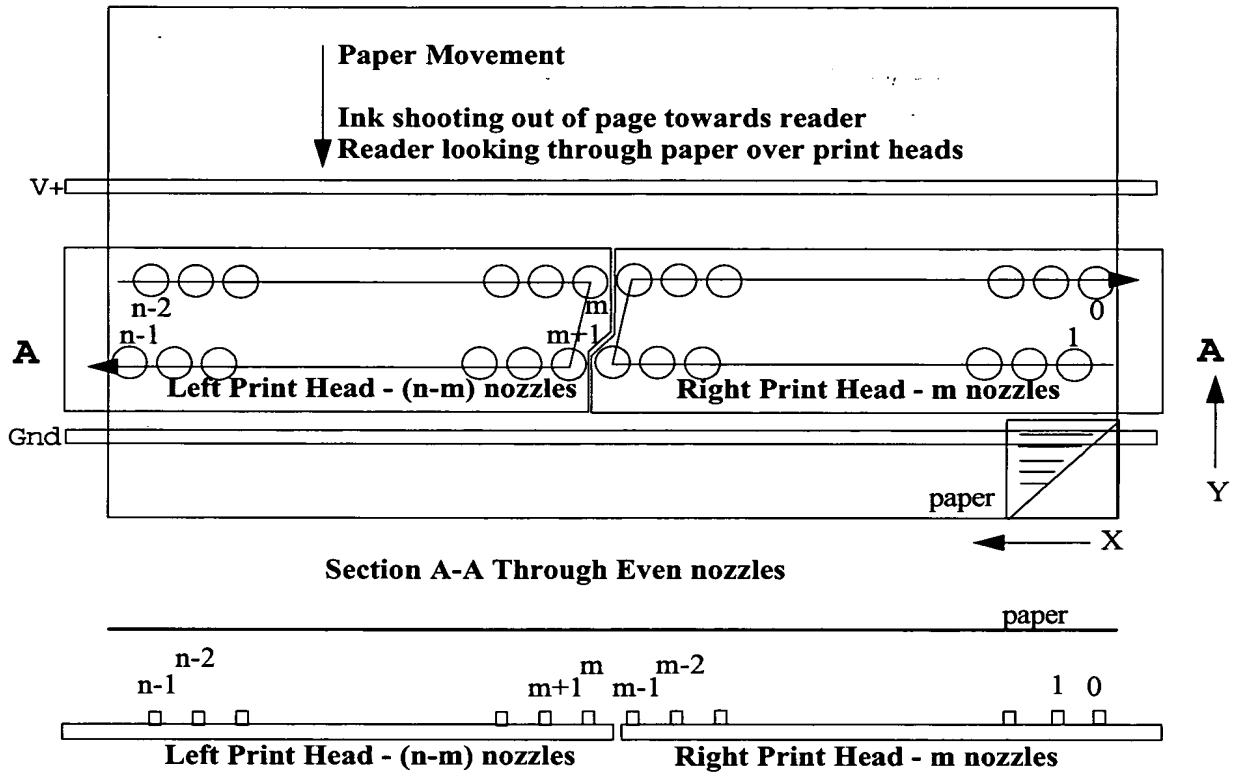


FIG. 310

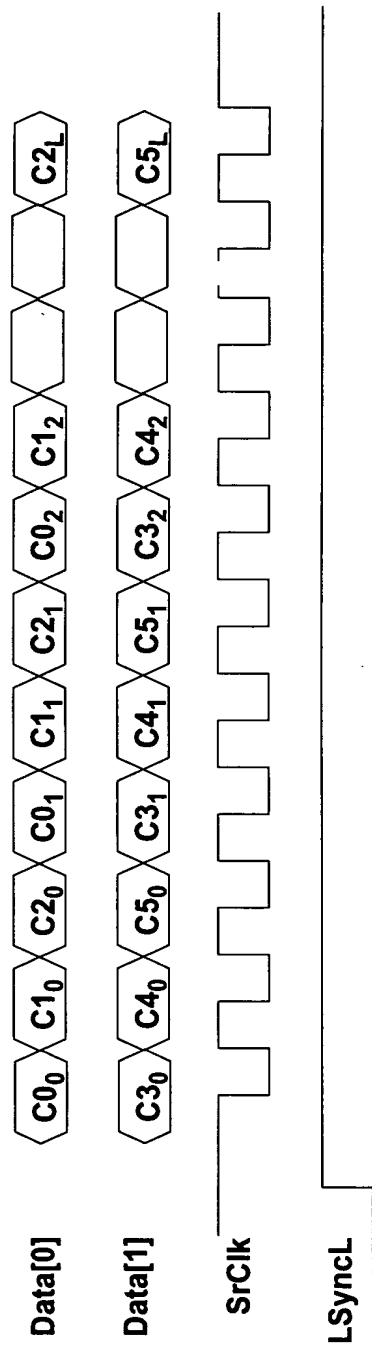
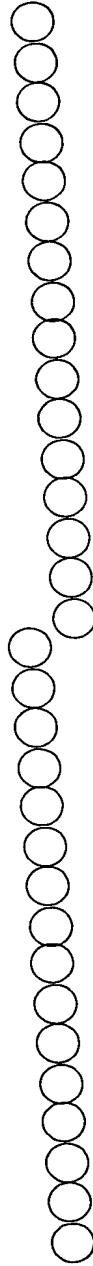
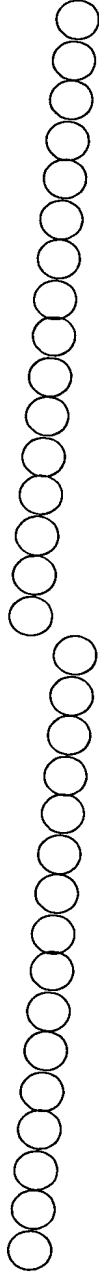


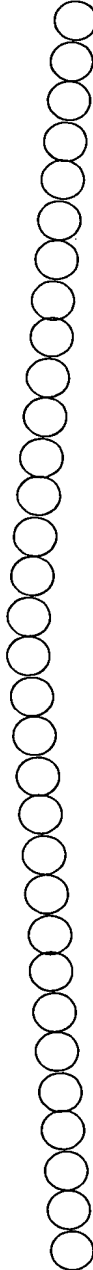
FIG. 311



a) Printing every n^{th} dot with all zero's in the fire select shift register



b) Printing every n^{th} dot with all one's in the fire select shift register



c) Printing every n^{th} dot with n zero's then n one's in the fire select shift registers

FIG. 312

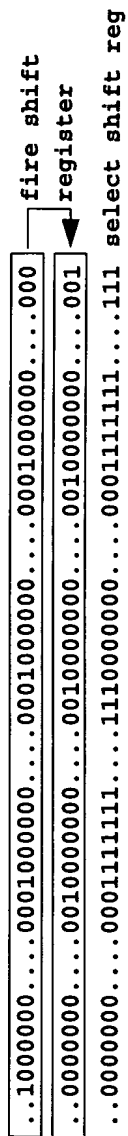


FIG. 313

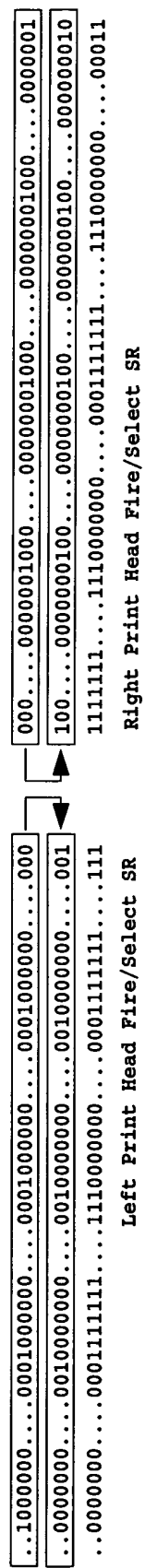


FIG. 314

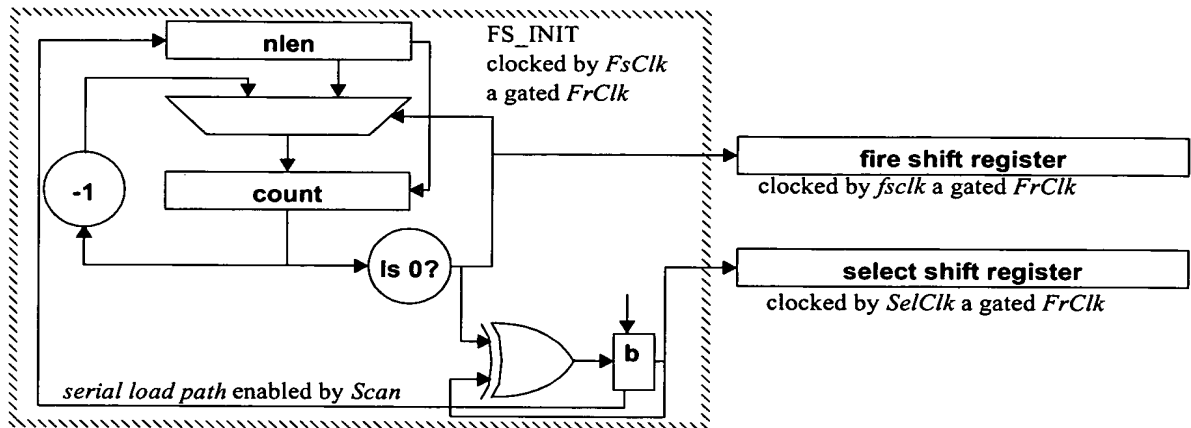


FIG. 315

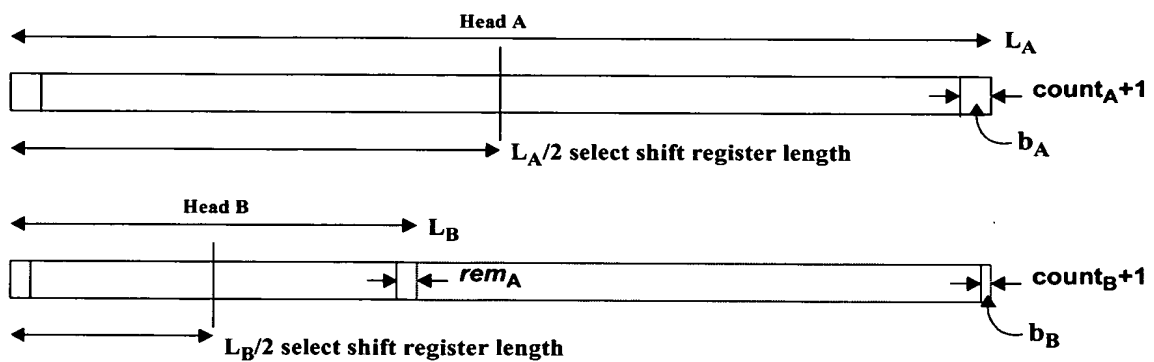


FIG. 316

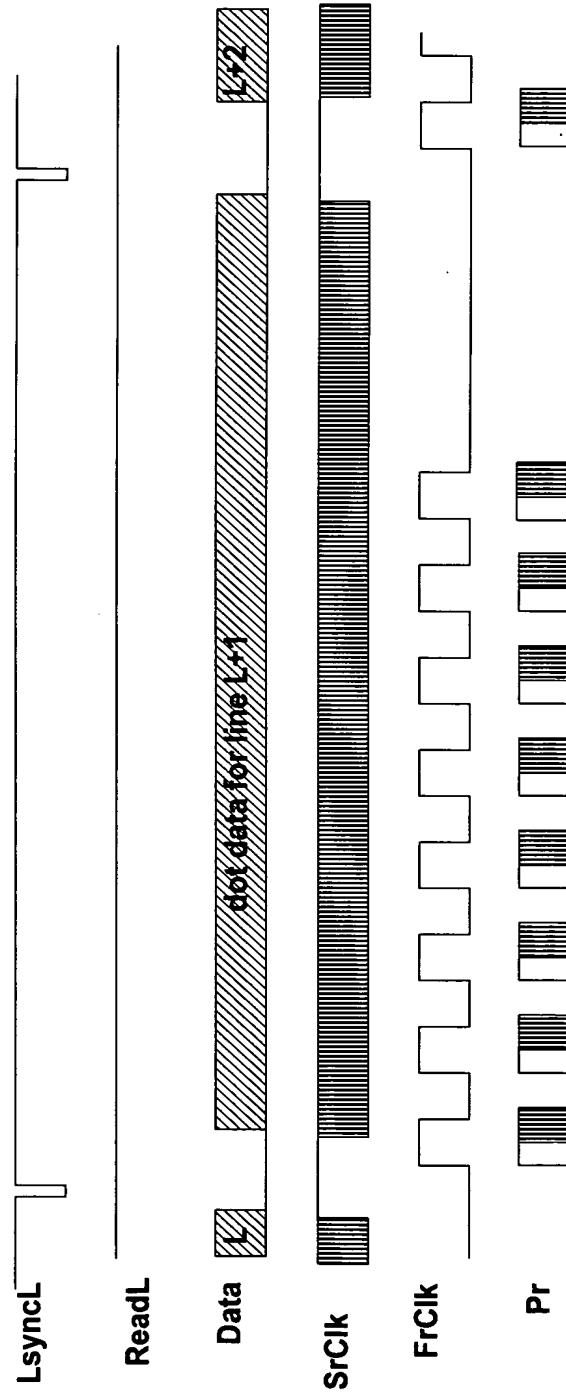


FIG. 317

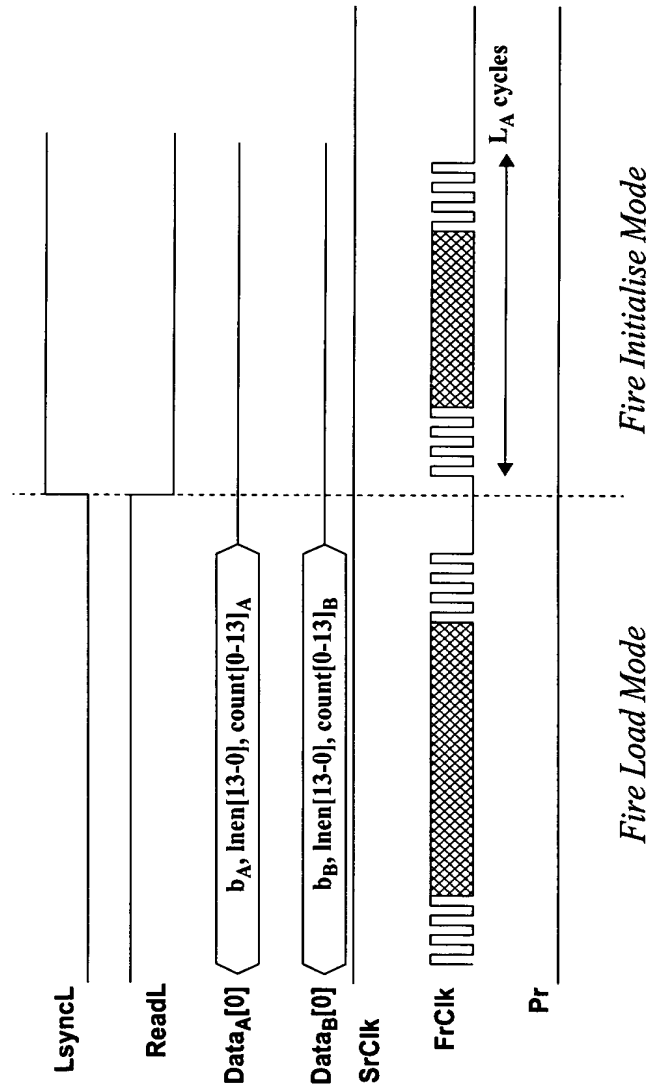


FIG. 318

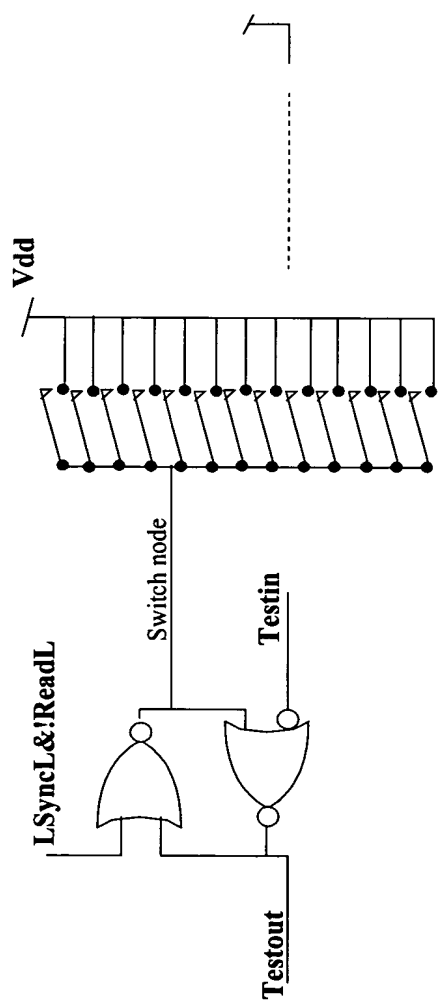


FIG. 319

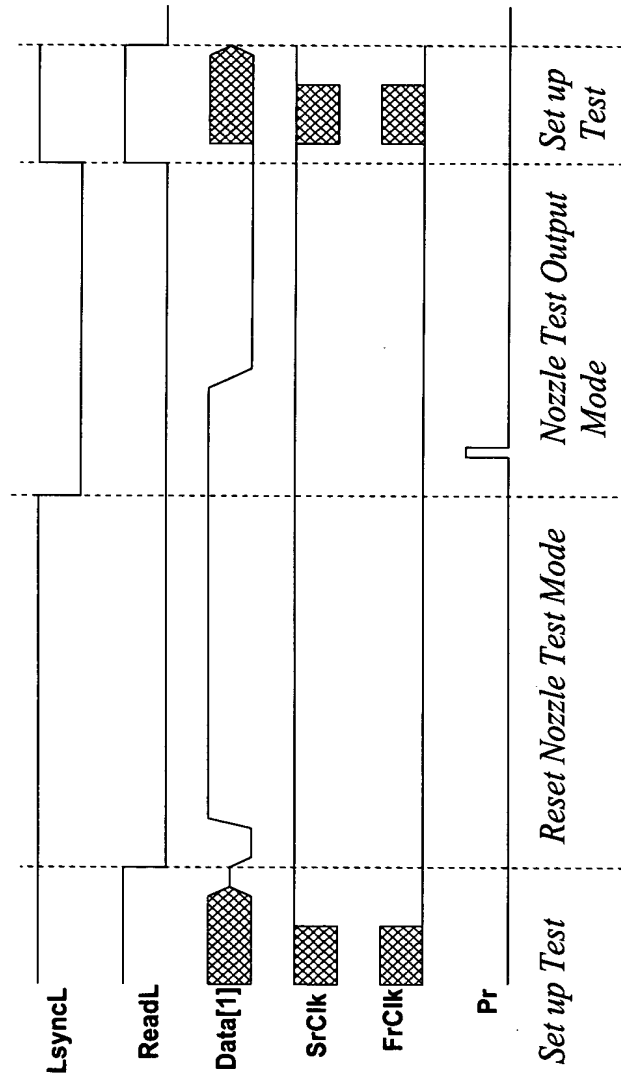


FIG. 320

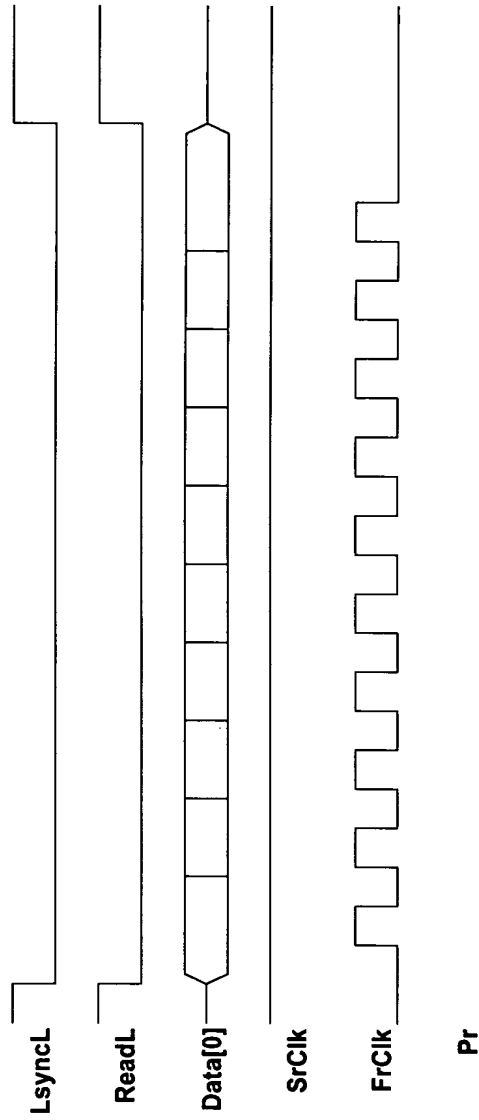


FIG. 321

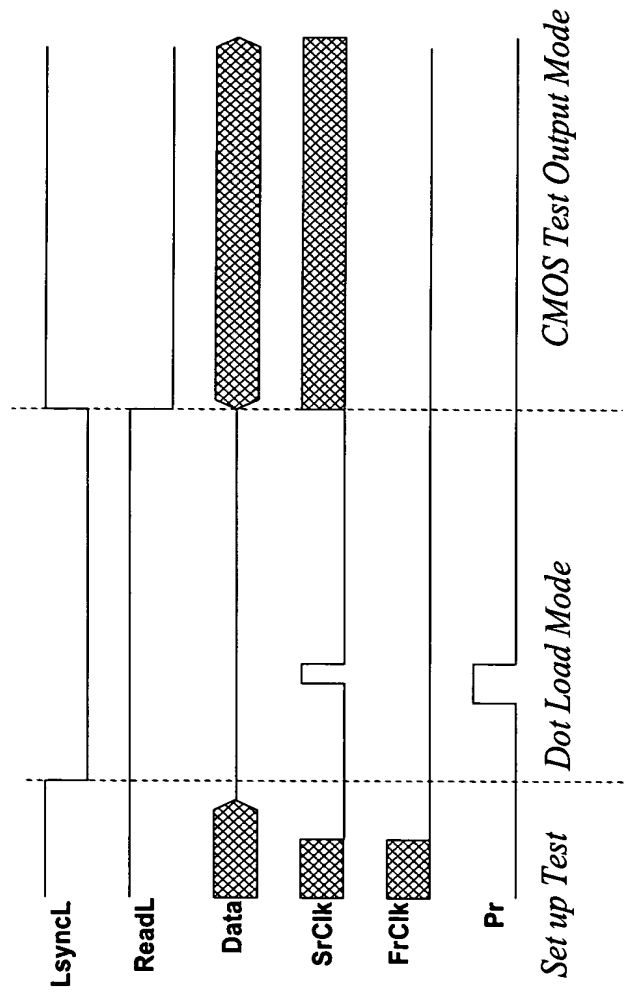


FIG. 322

276/331

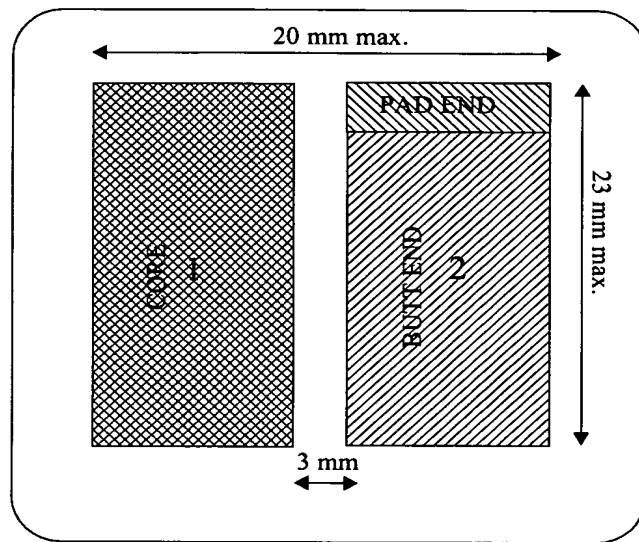


FIG. 323

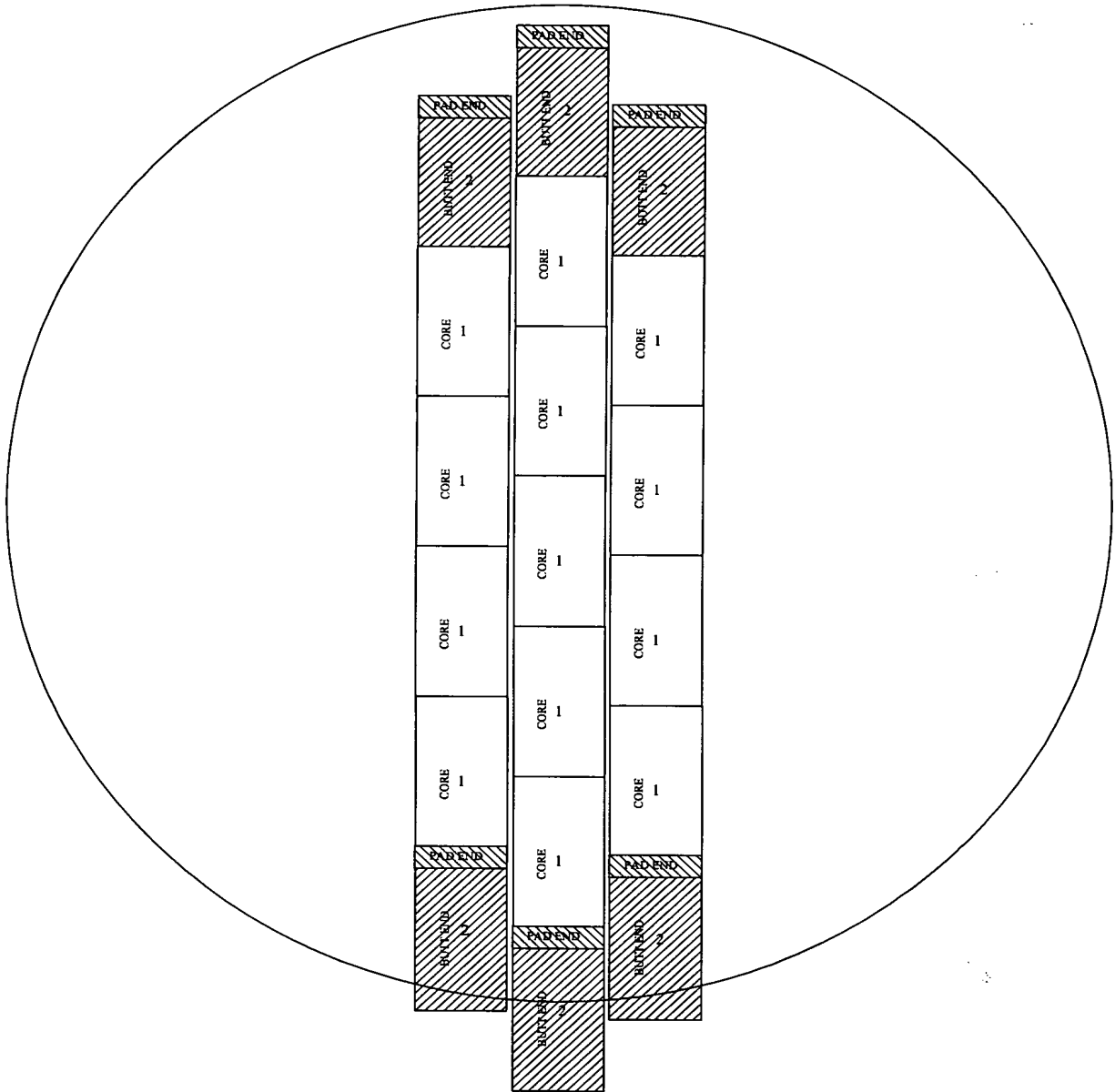


FIG. 324

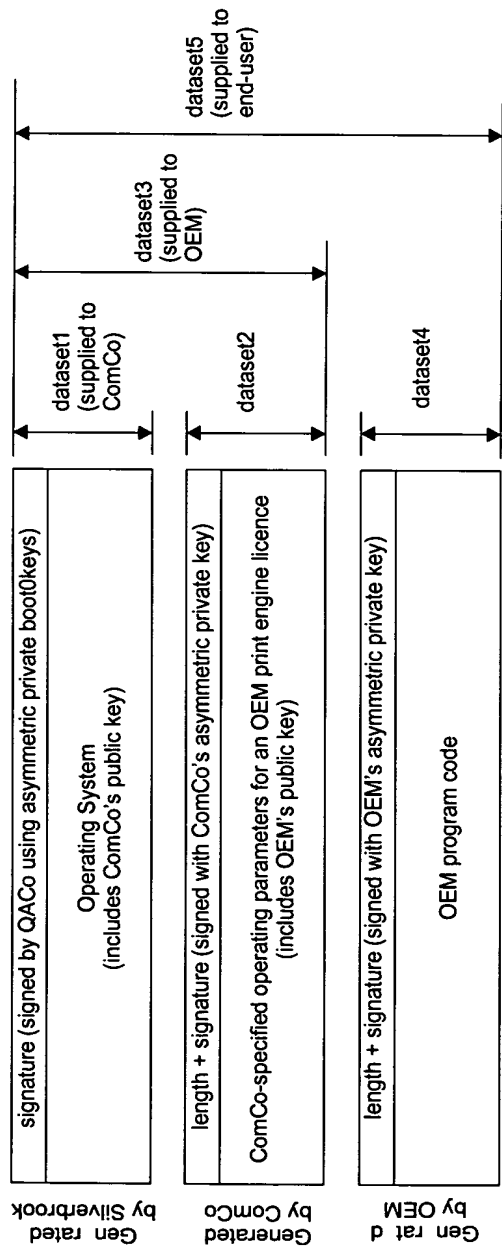


FIG. 325

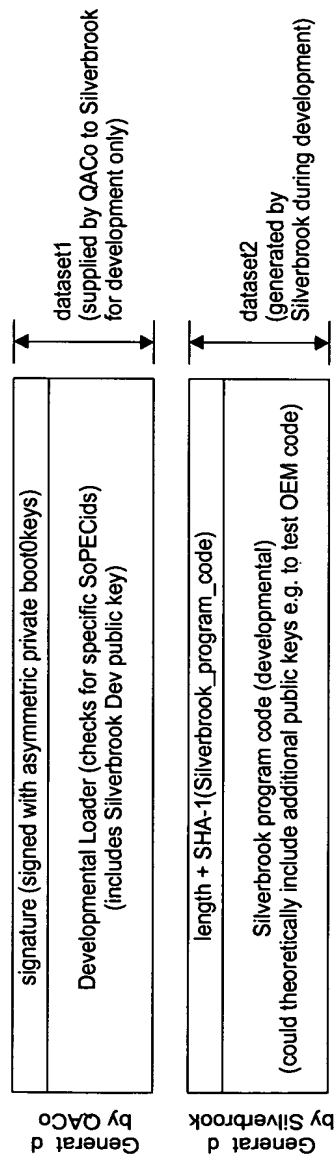
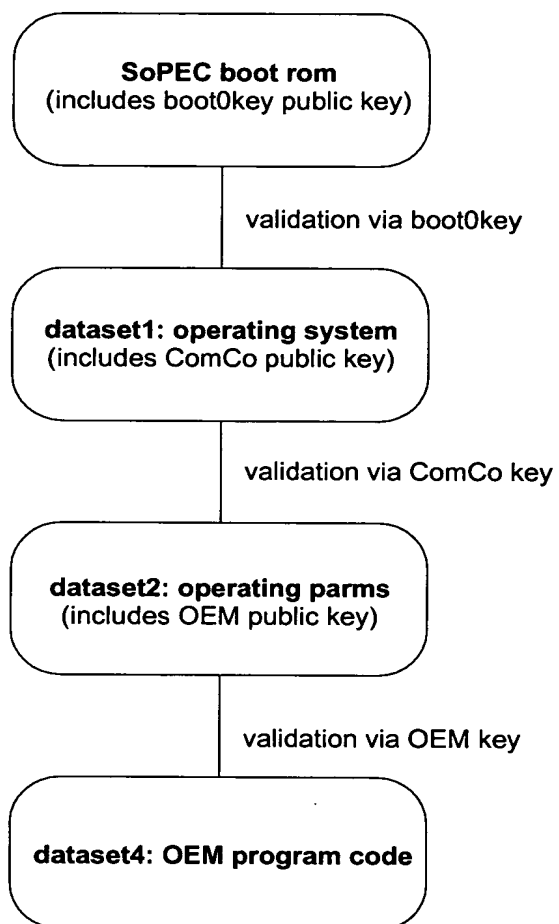


FIG. 327

*FIG. 326*

280/331

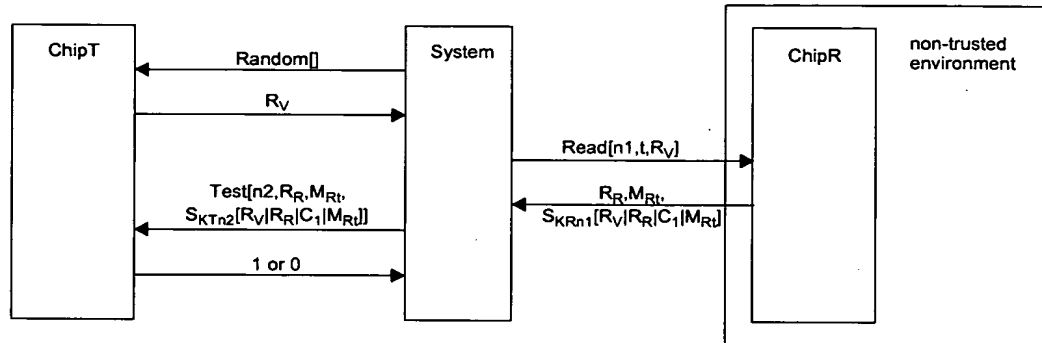


FIG. 328

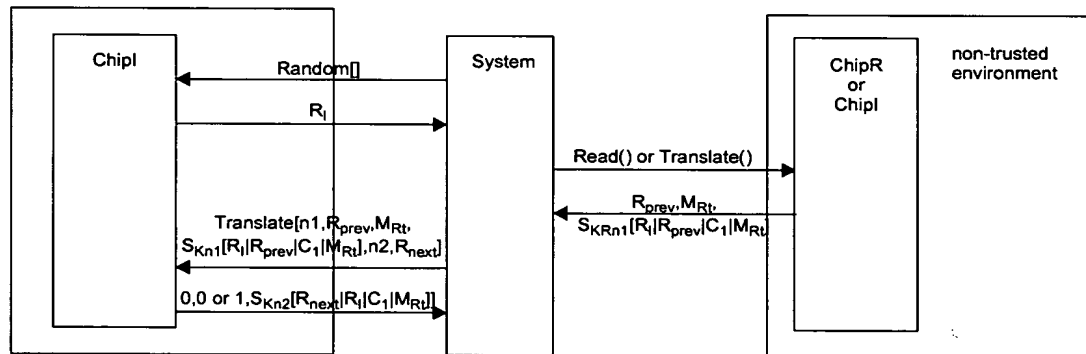


FIG. 329

281/331

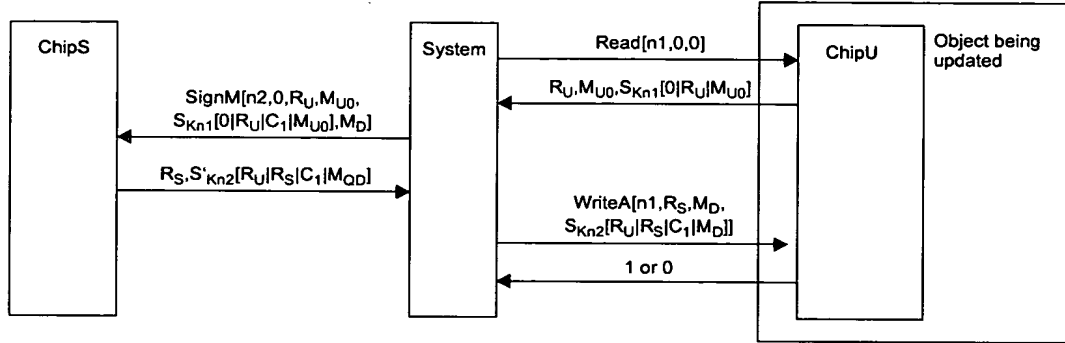


FIG. 330

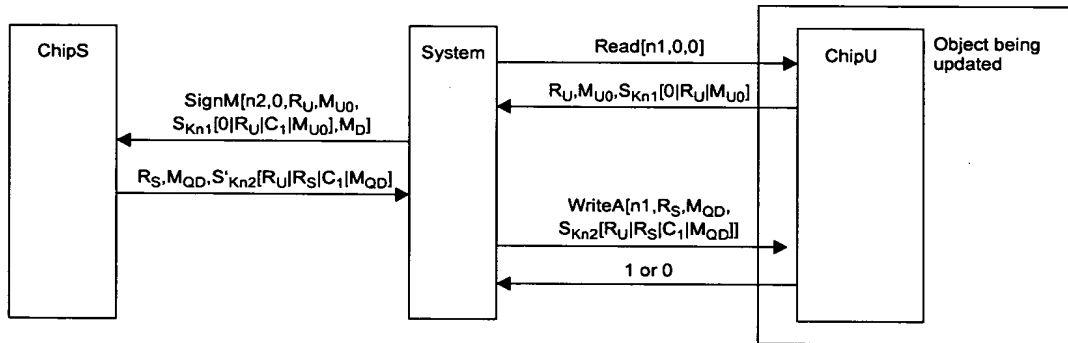


FIG. 331

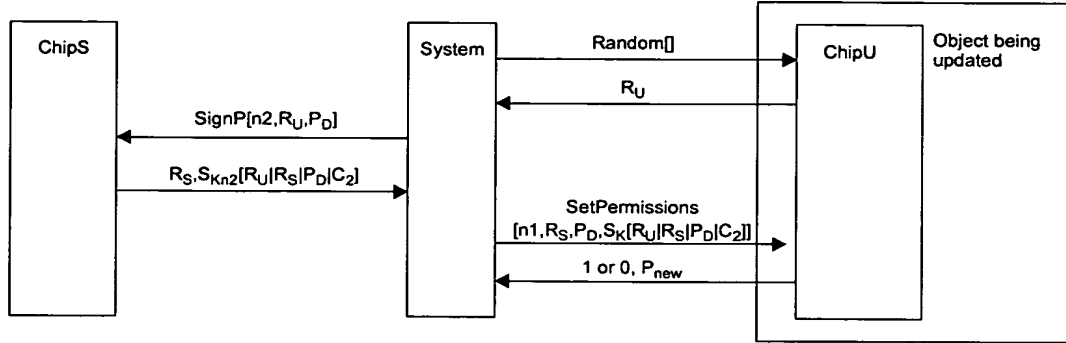


FIG. 332

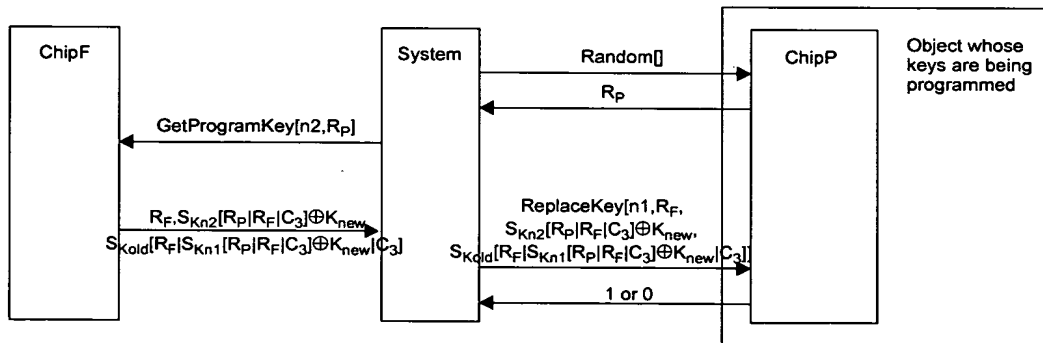


FIG. 333

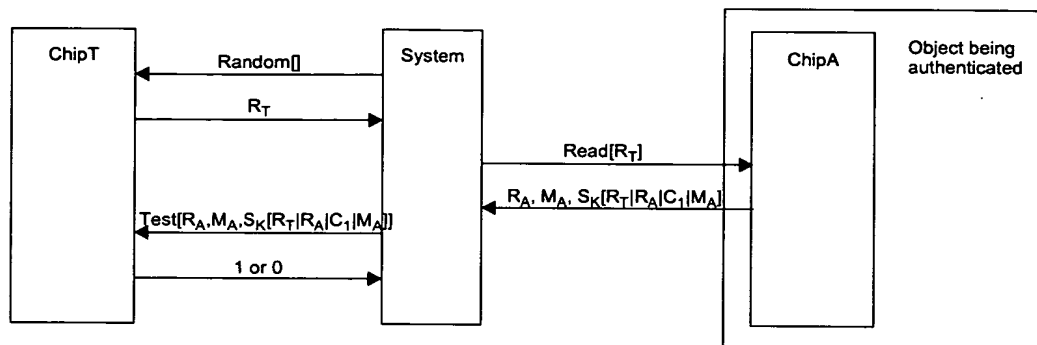


FIG. 334

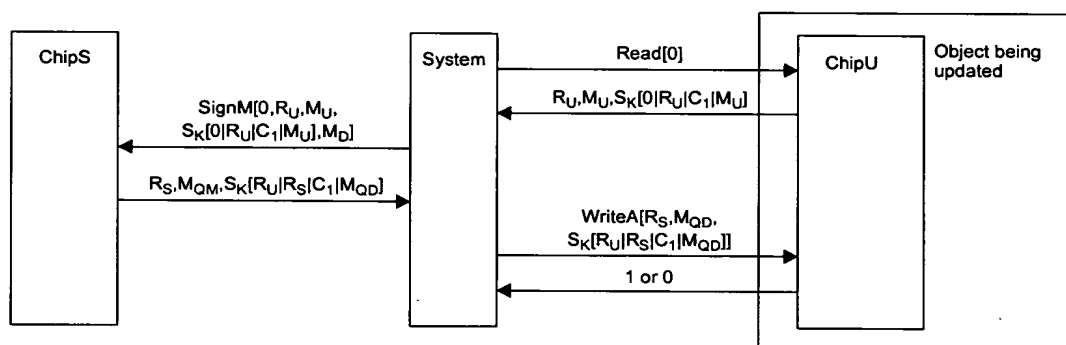


FIG. 335

284/331

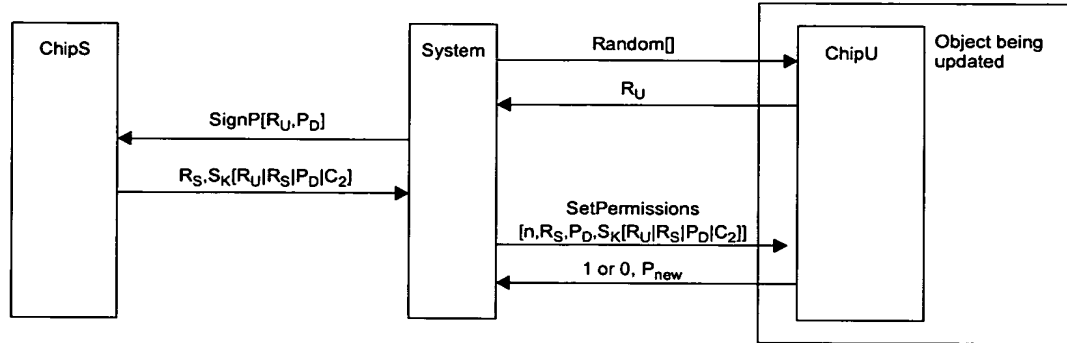


FIG. 336

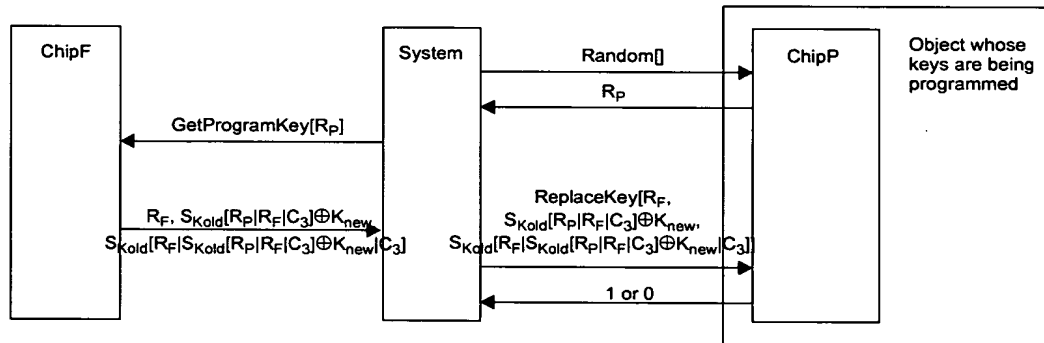


FIG. 337

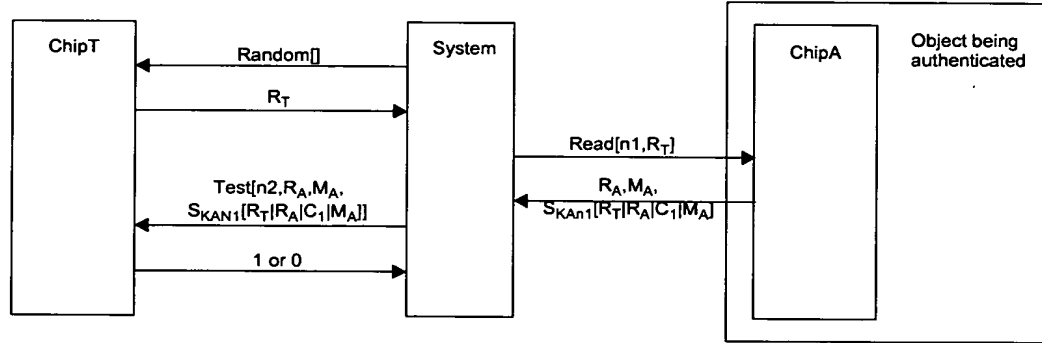


FIG. 338

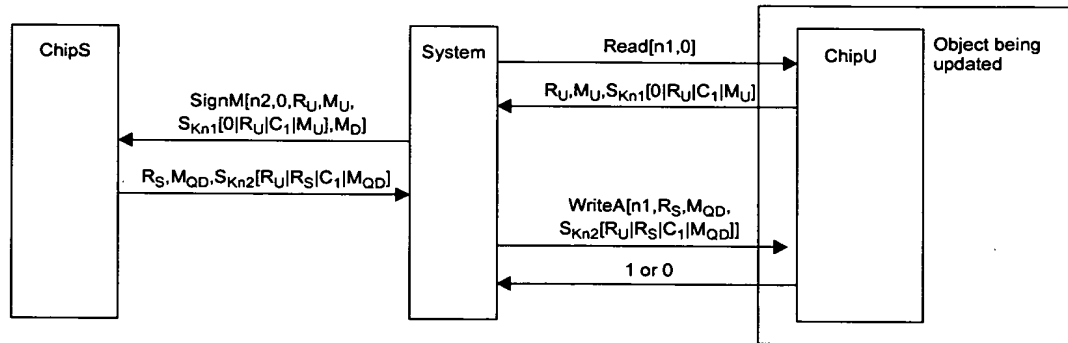


FIG. 339

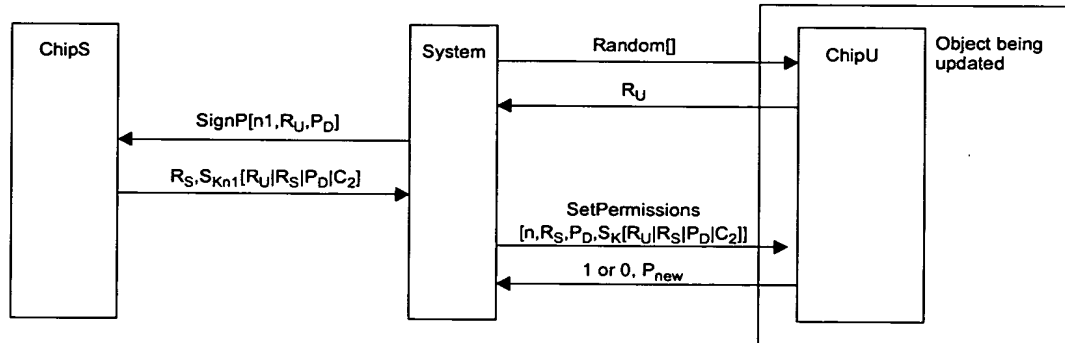


FIG. 340

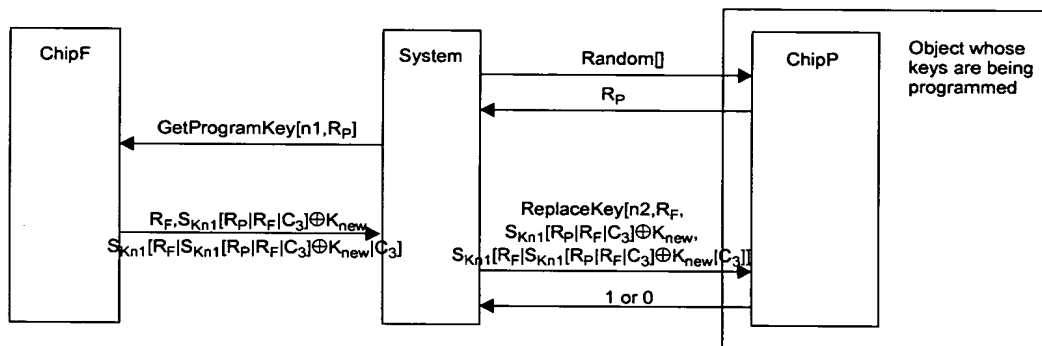


FIG. 341

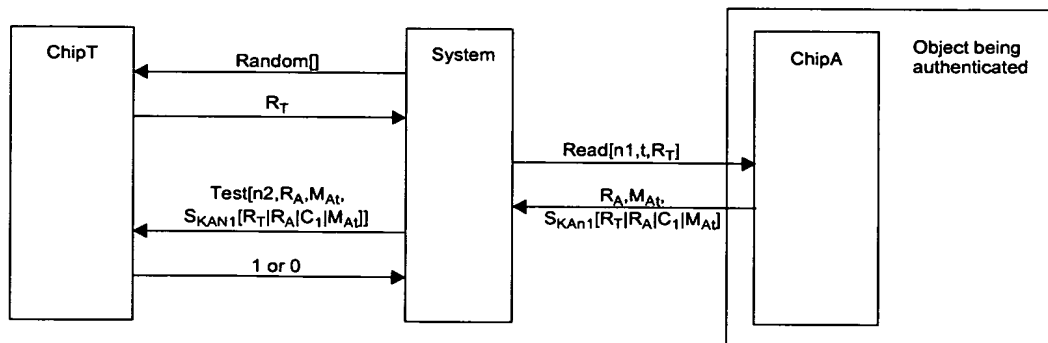


FIG. 342

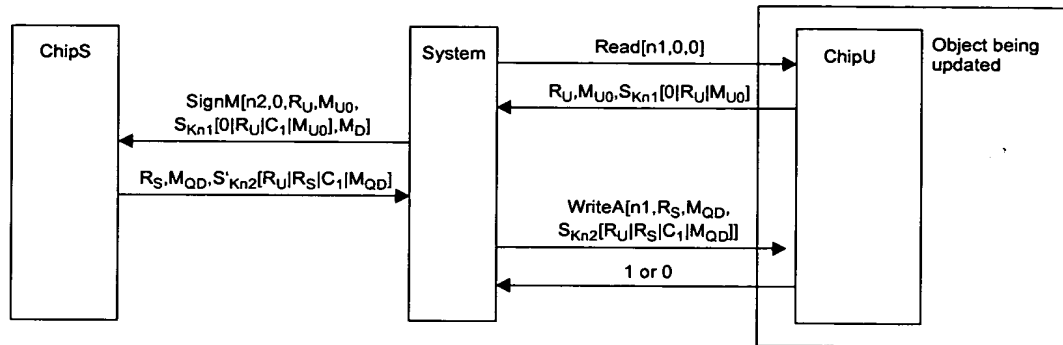


FIG. 343

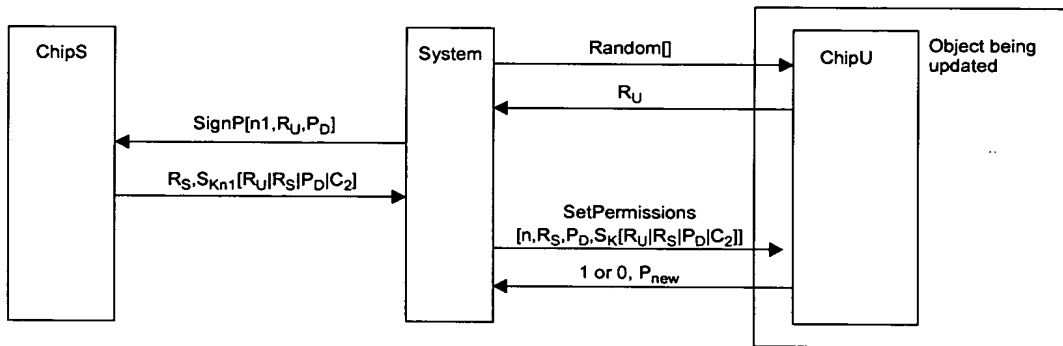


FIG. 344

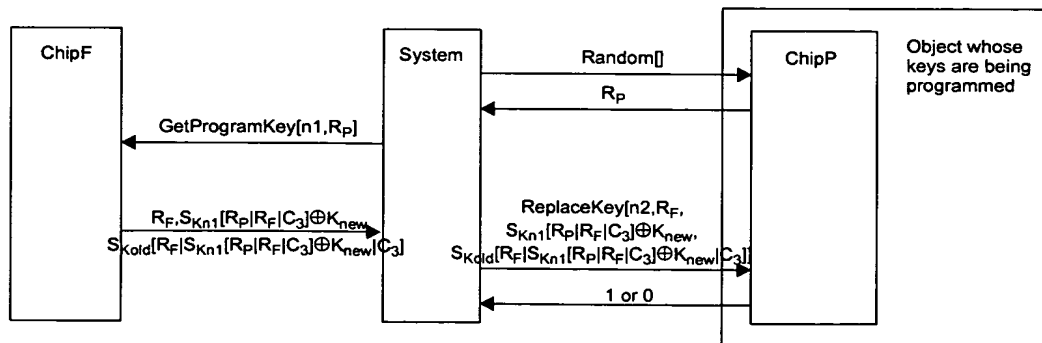


FIG. 345

288/331

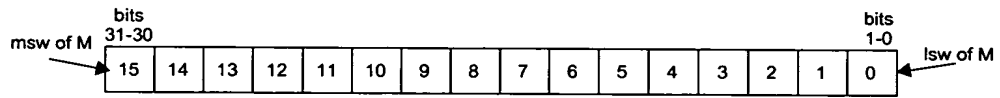


FIG. 346

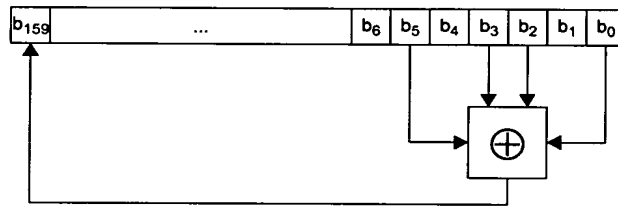


FIG. 347

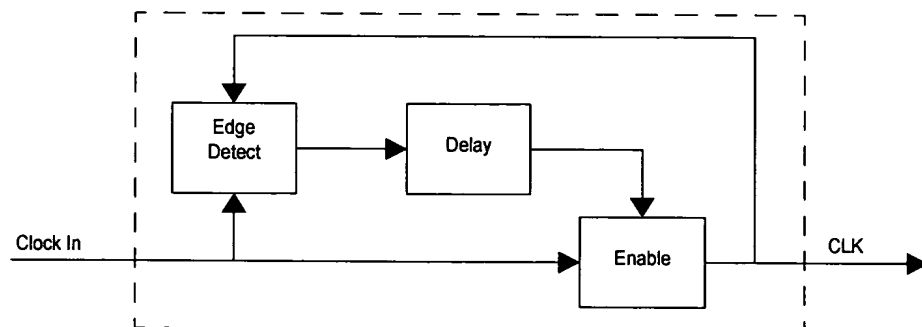


FIG. 348

289/331

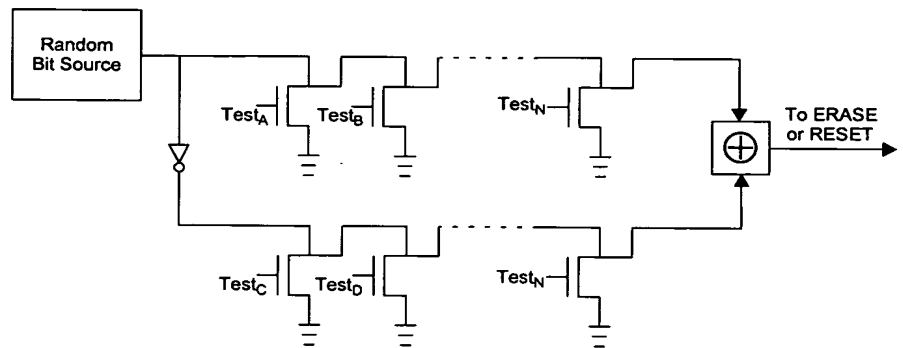


FIG. 349

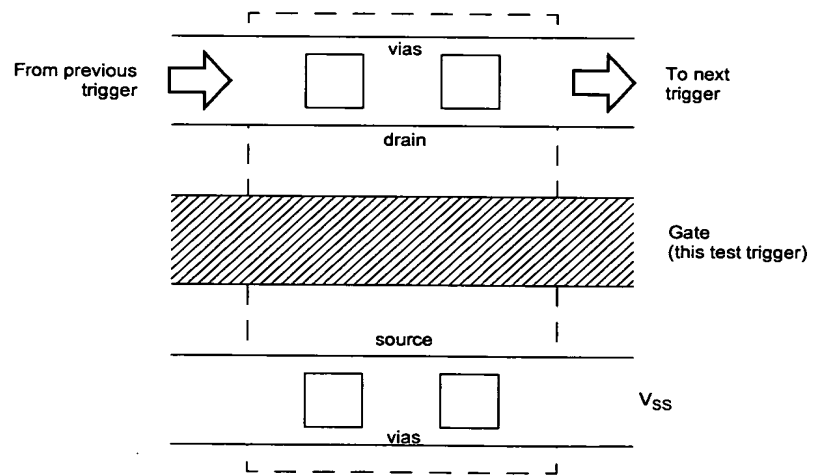


FIG. 350

290/331

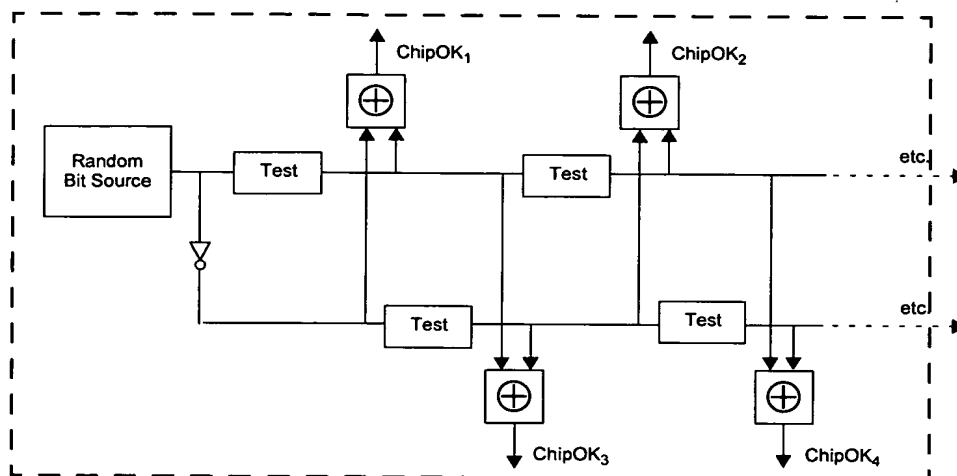


FIG. 351

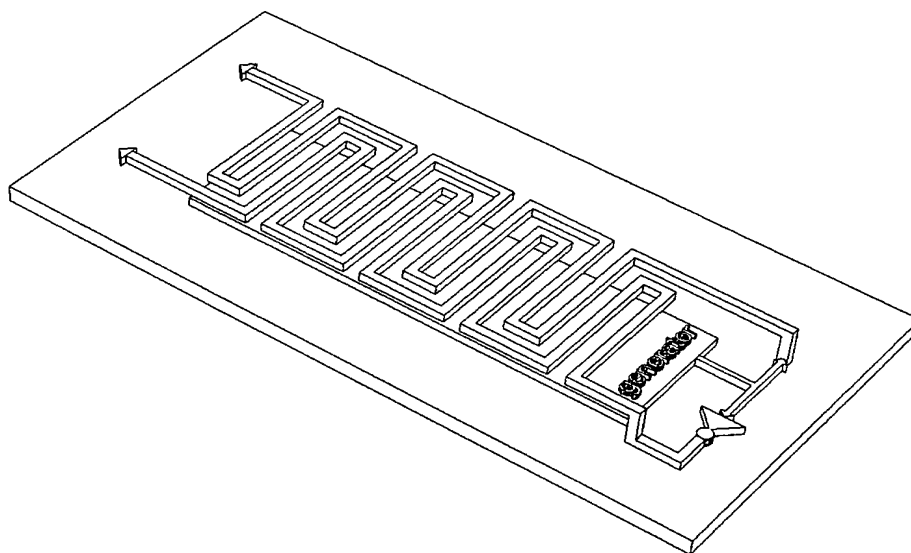


FIG. 352

291/331

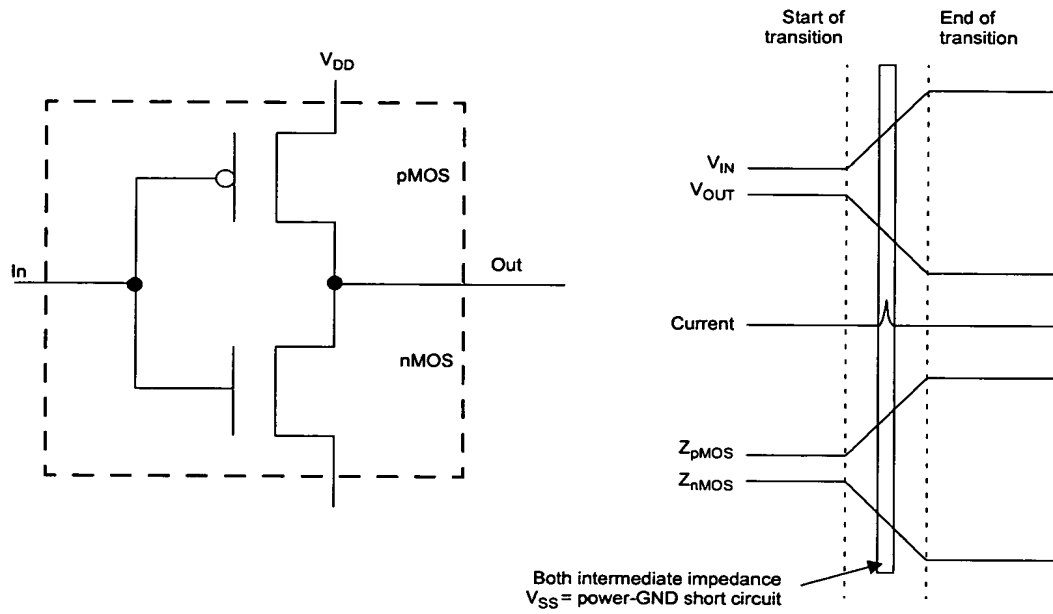


FIG. 353

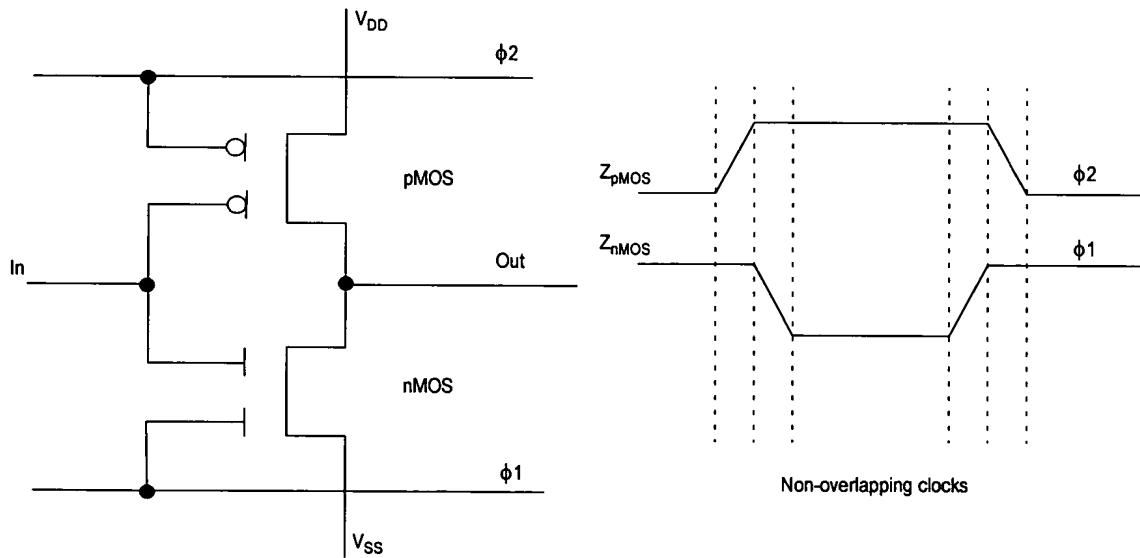


FIG. 354

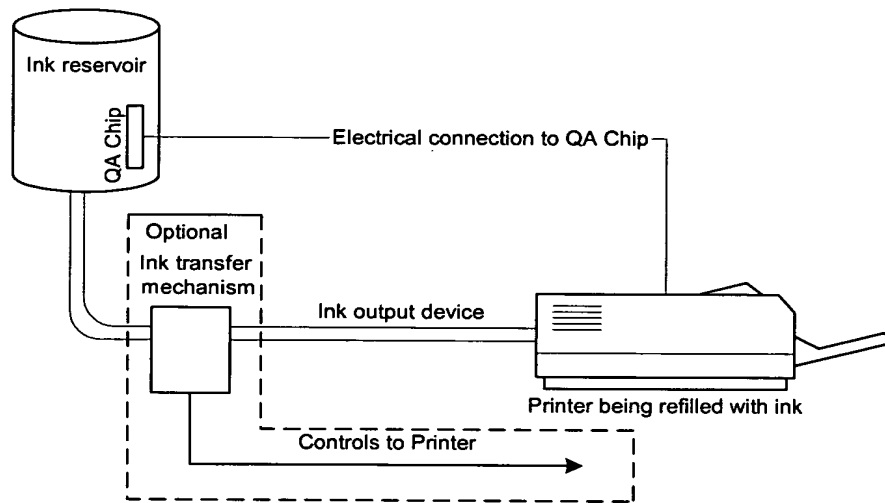


FIG. 355

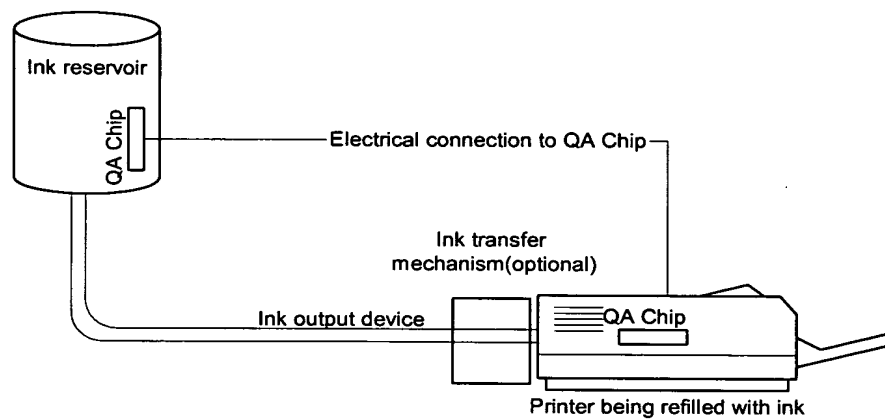


FIG. 356

293/331

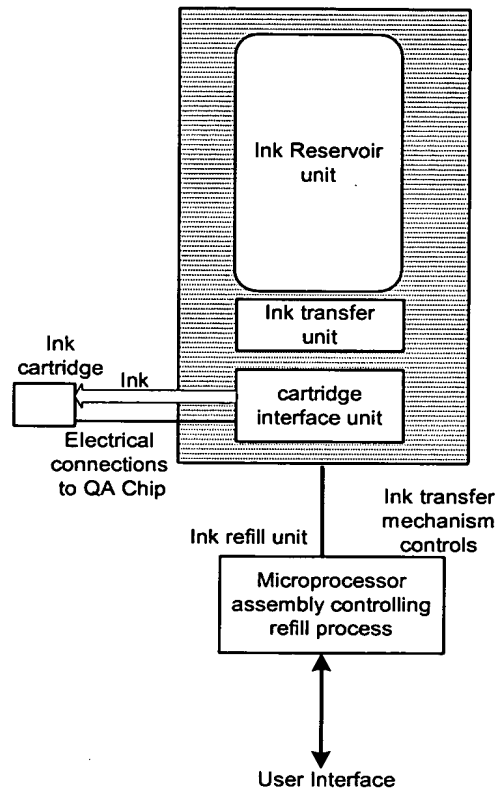


FIG. 357

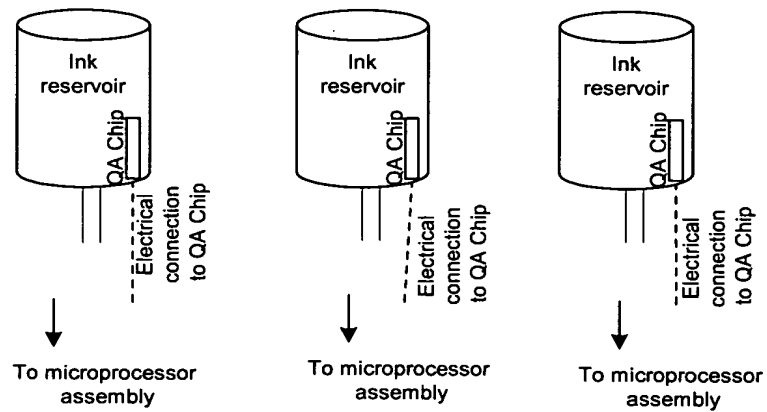


FIG. 358

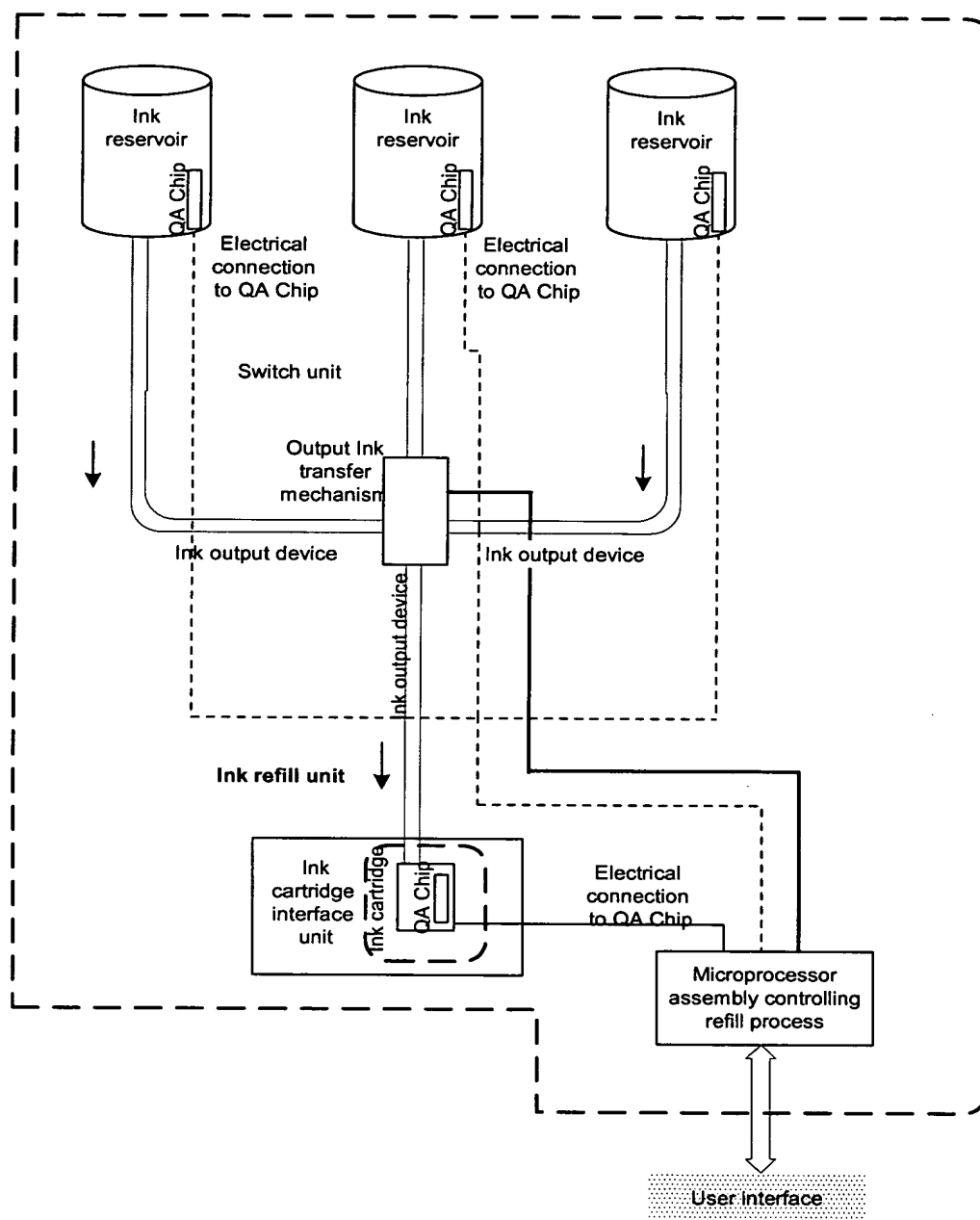


FIG. 359

295/331

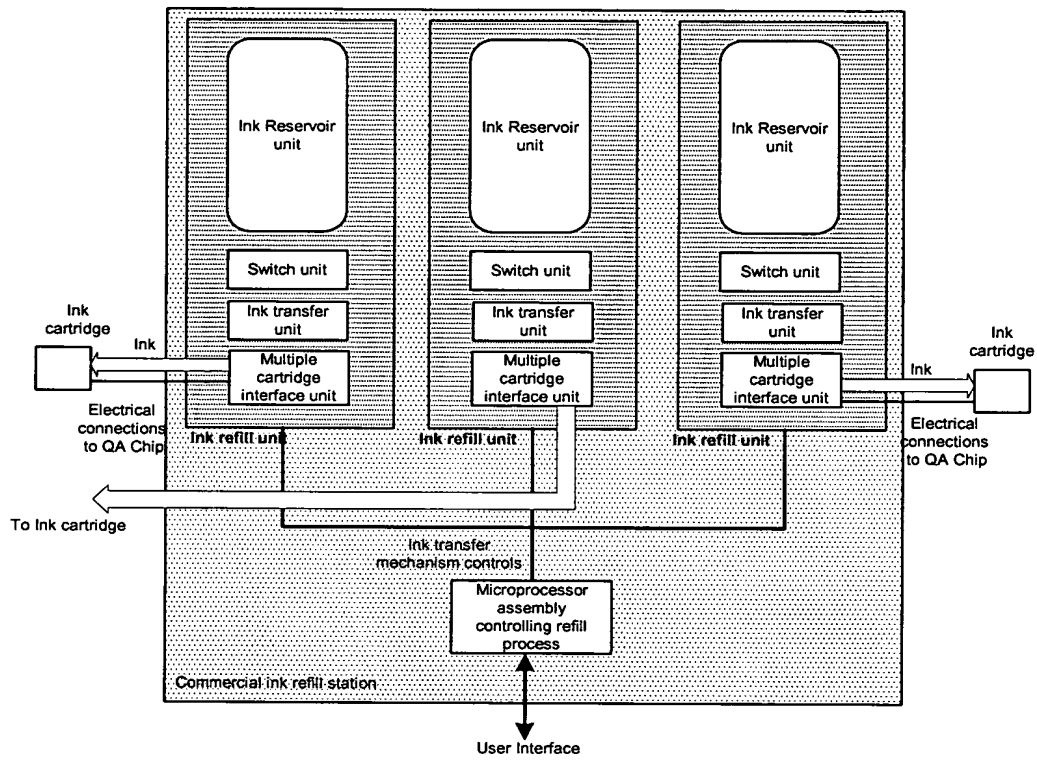


FIG. 360

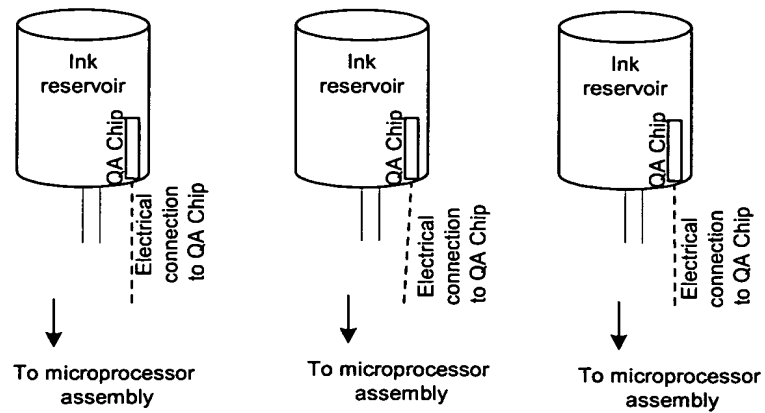


FIG. 361

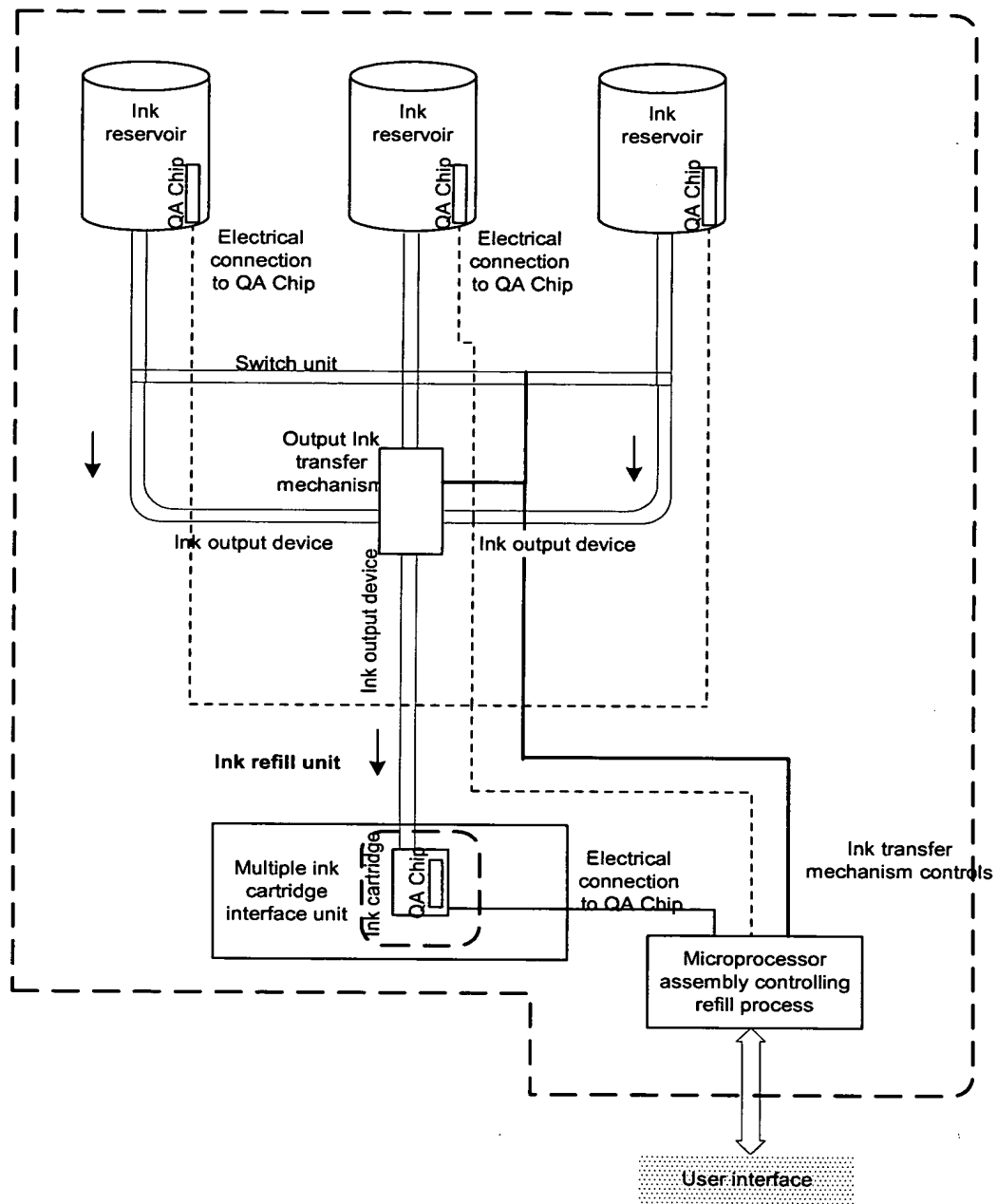


FIG. 362

297/331

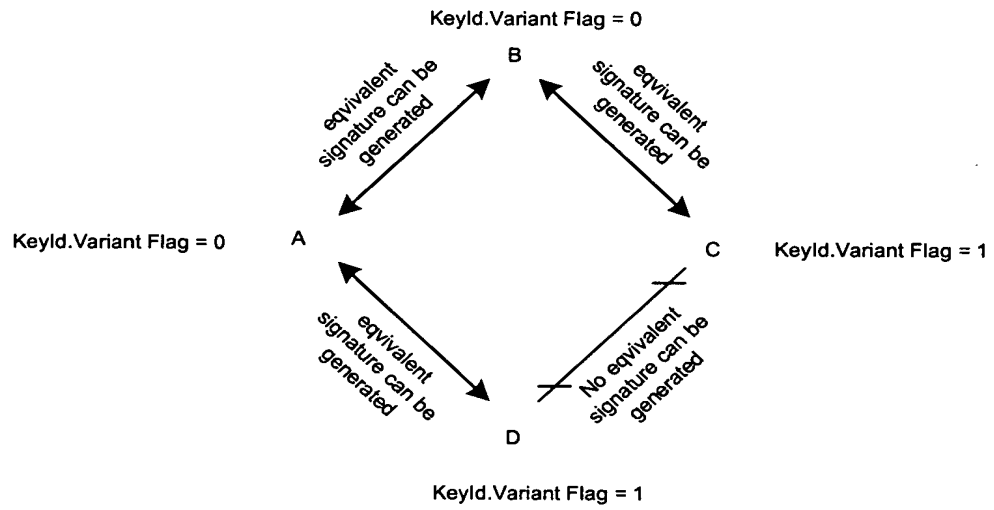


FIG. 363

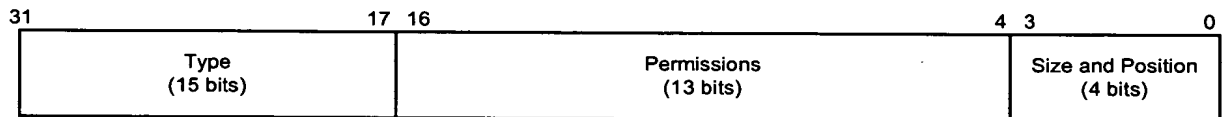


FIG. 364

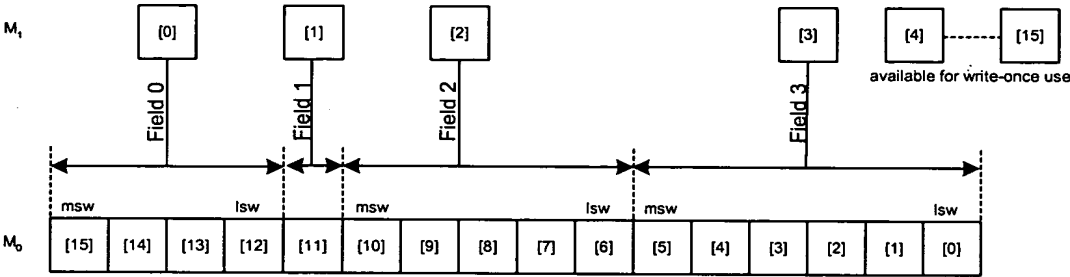


FIG. 365

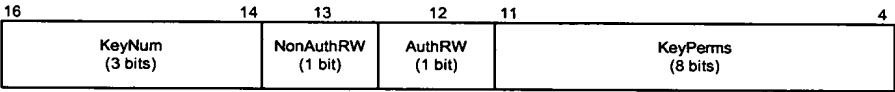


FIG. 366

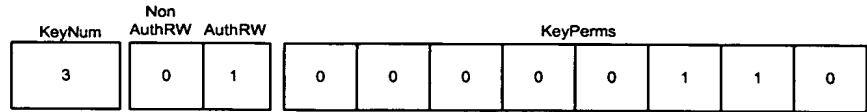


FIG. 367

299/331

KeyNum	Non		KeyPerms							
	AuthRW	AuthRW								
3	1	1	0	0	0	0	1	1	1	0

FIG. 368

31	17	16	14	13	12	11	4	3	0
Type (15 bits)		KeyNum (3 bits)	NonAuth RW (1 bit)	AuthRW (1 bit)	KeyPerms (8 bits)			EndPos (4 bits)	

FIG. 369

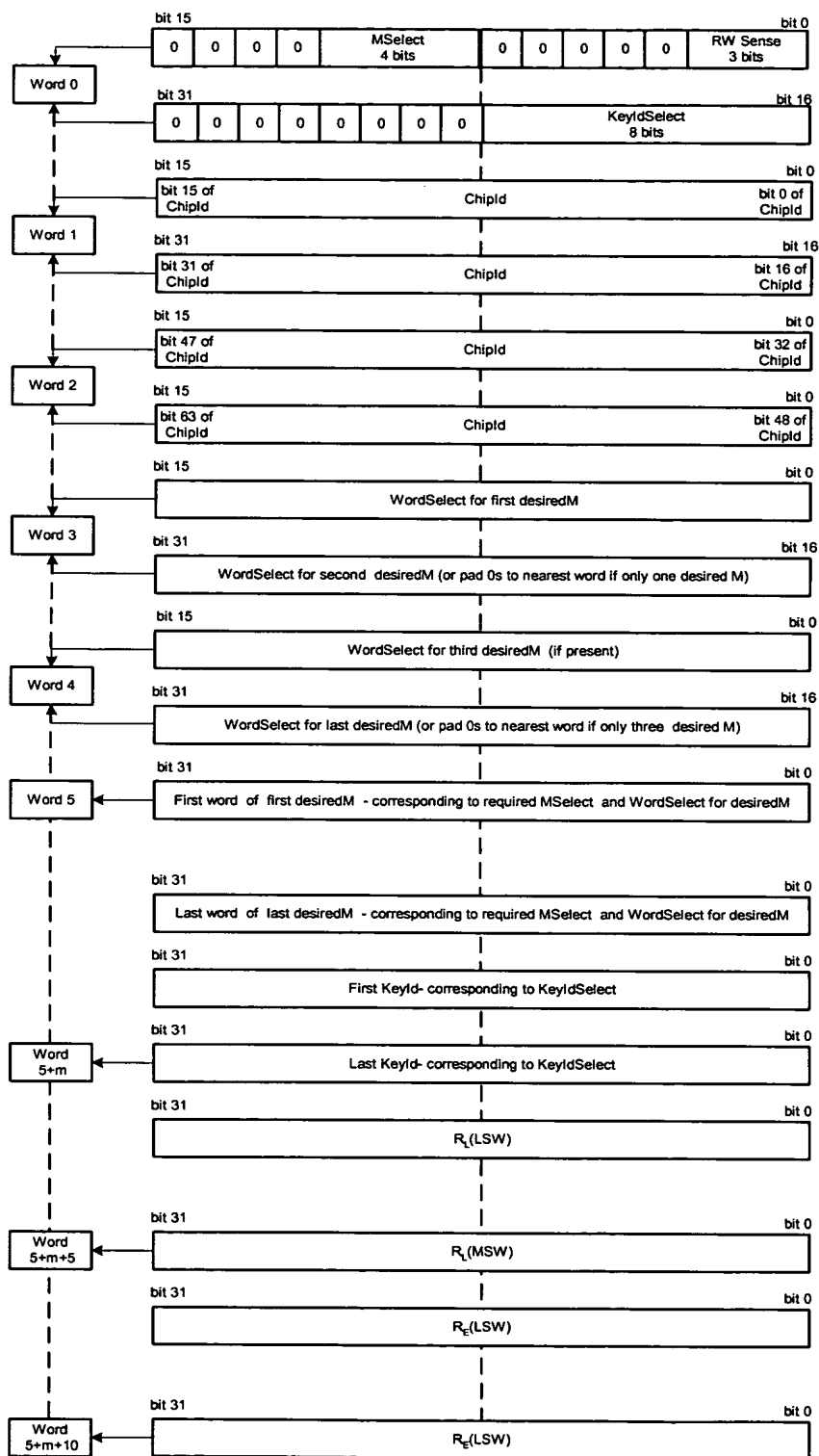


FIG. 370

301/331

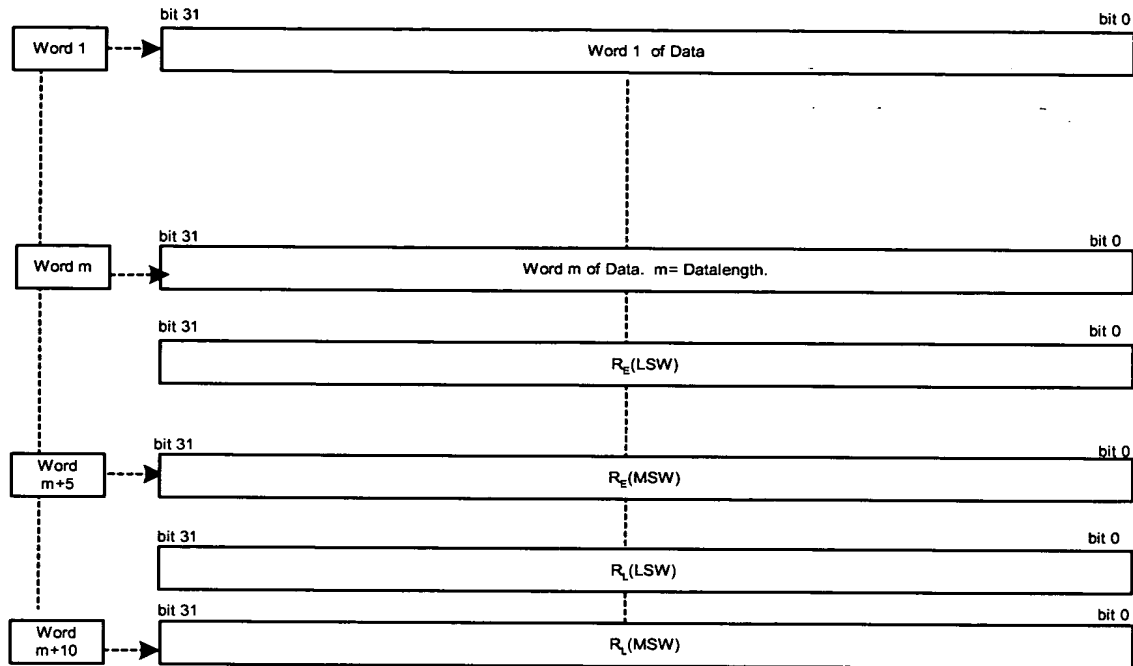


FIG. 371

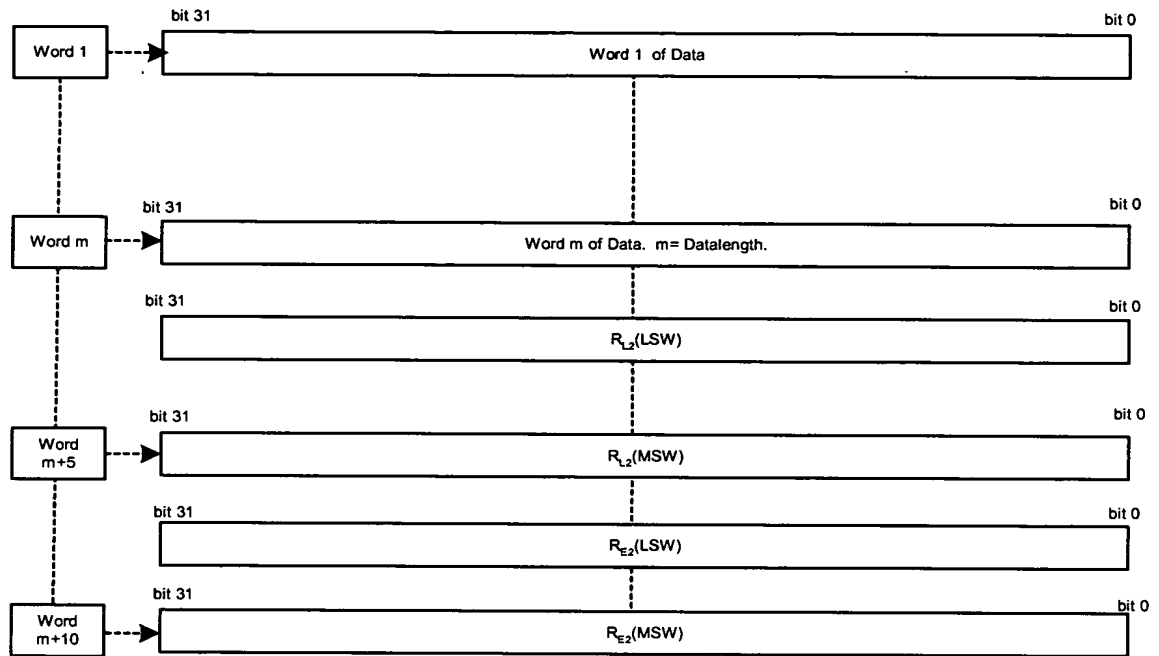


FIG. 372

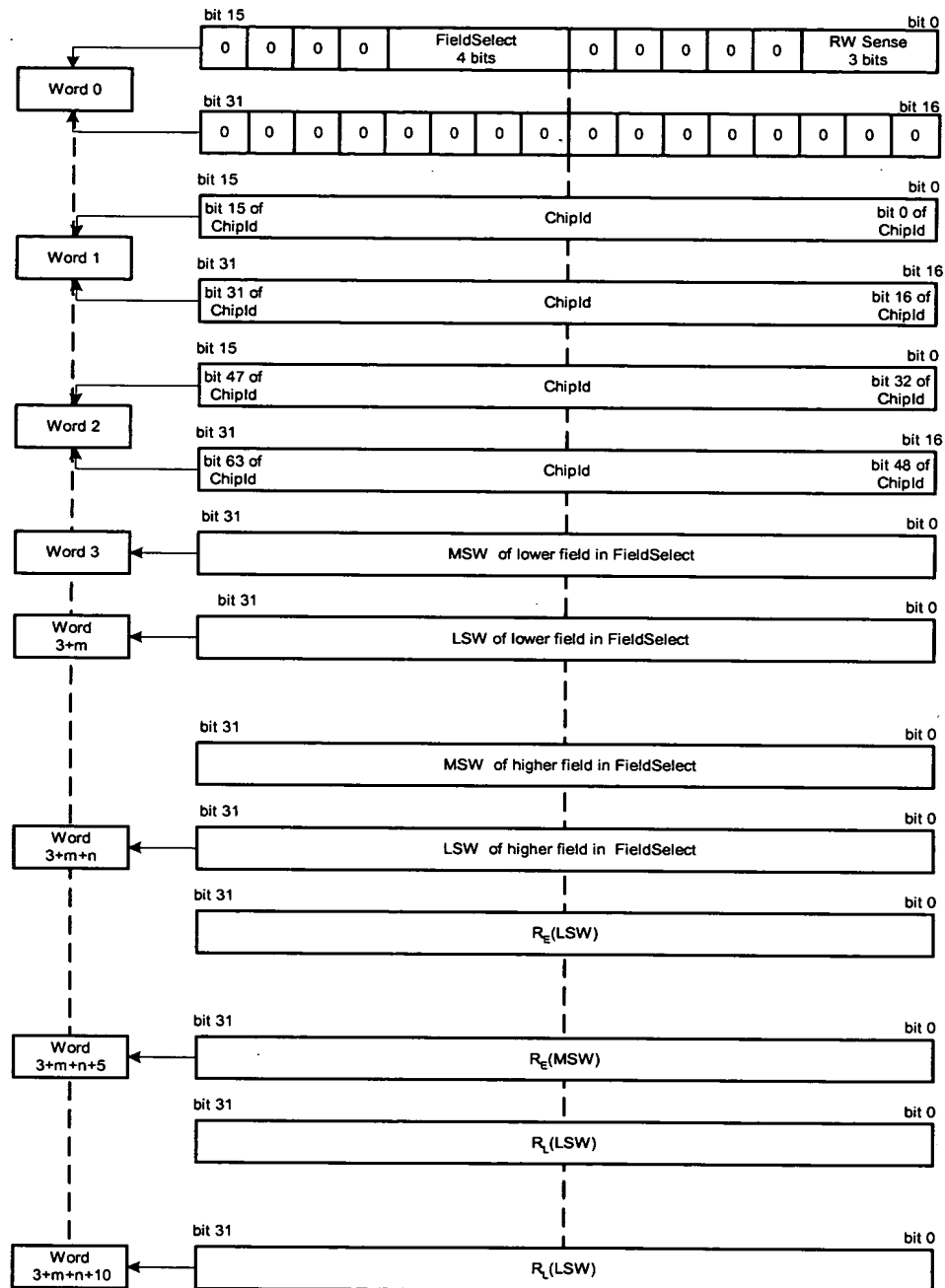


FIG. 373

304/331

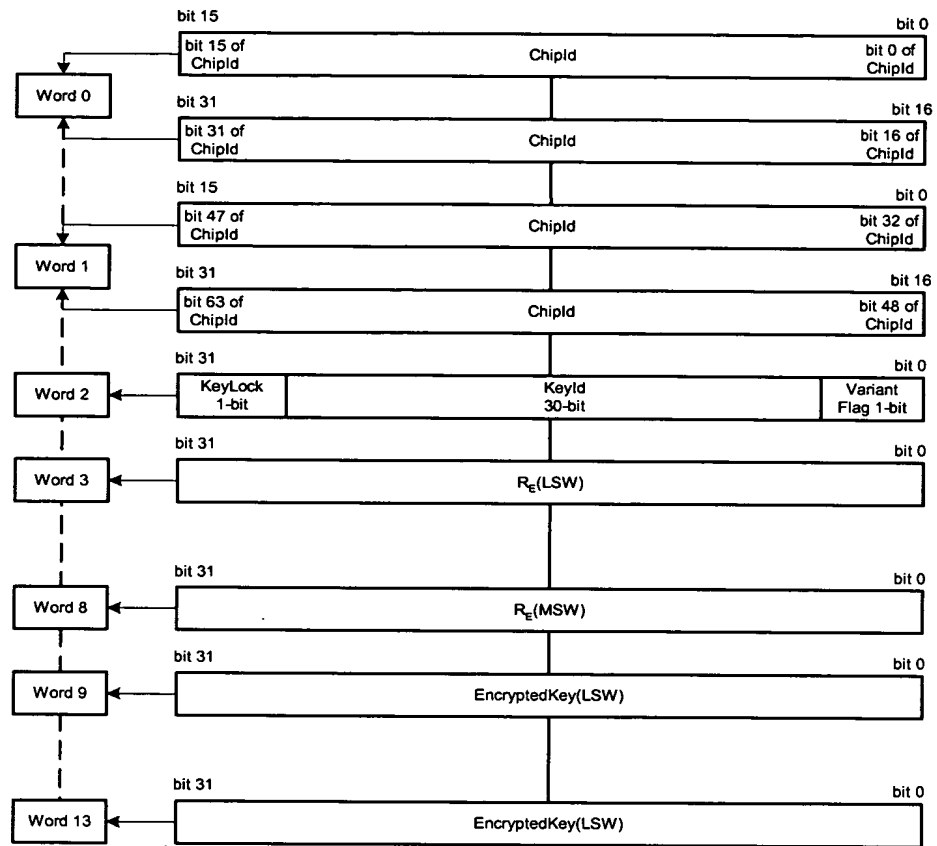


FIG. 374

305/331

		NewKey									
		K ₀	K ₁	K ₂	K ₃	K ₄	K ₅	K ₆	K ₇		
OldKey	K ₀									⇒	0x00
	K ₁			1						⇒	0x04
	K ₂					1			1	⇒	0x90
	K ₃		1							⇒	0x02
	K ₄		1							⇒	0x02
	K ₅		1							⇒	0x02
	K ₆		1				1			⇒	0x22
	K ₇		1							⇒	0x02

FIG. 375

		NewKey									
		K ₀	K ₁	K ₂	K ₃	K ₄	K ₅	K ₆	K ₇		
OldKey	K ₀									⇒	0x00
	K ₁			access deleted						⇒	0x00
	K ₂					1			1	⇒	0x90
	K ₃									⇒	0x00
	K ₄									⇒	0x00
	K ₅									⇒	0x00
	K ₆						1			⇒	0x20
	K ₇									⇒	0x00

FIG. 376

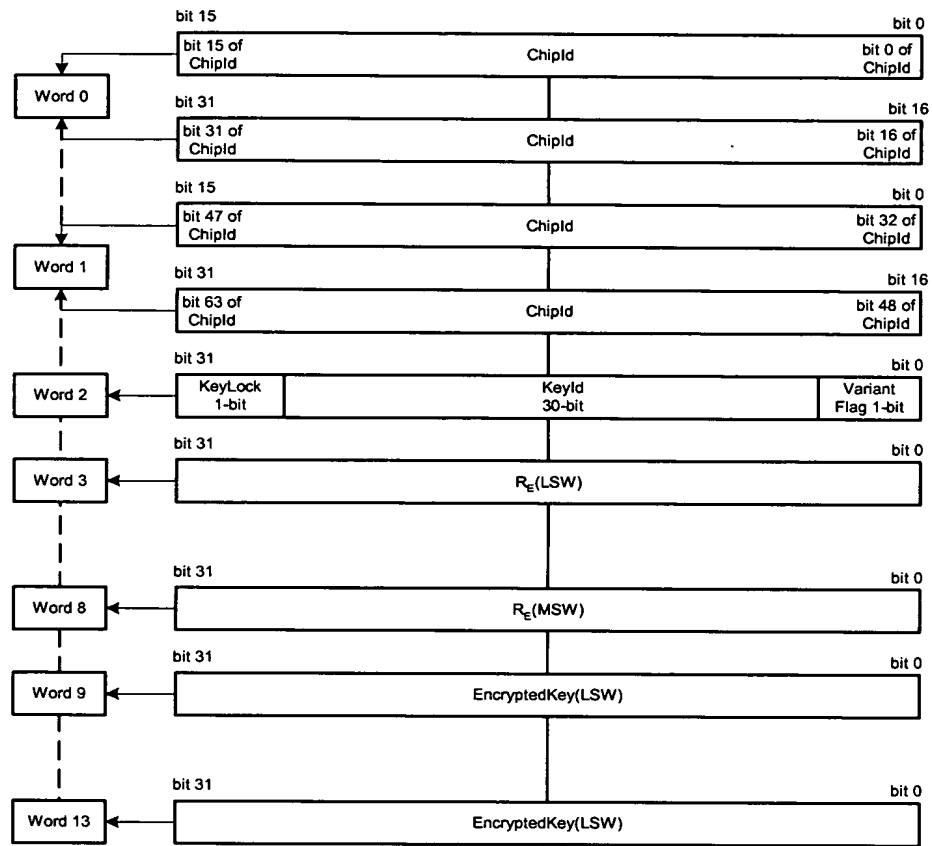


FIG. 377

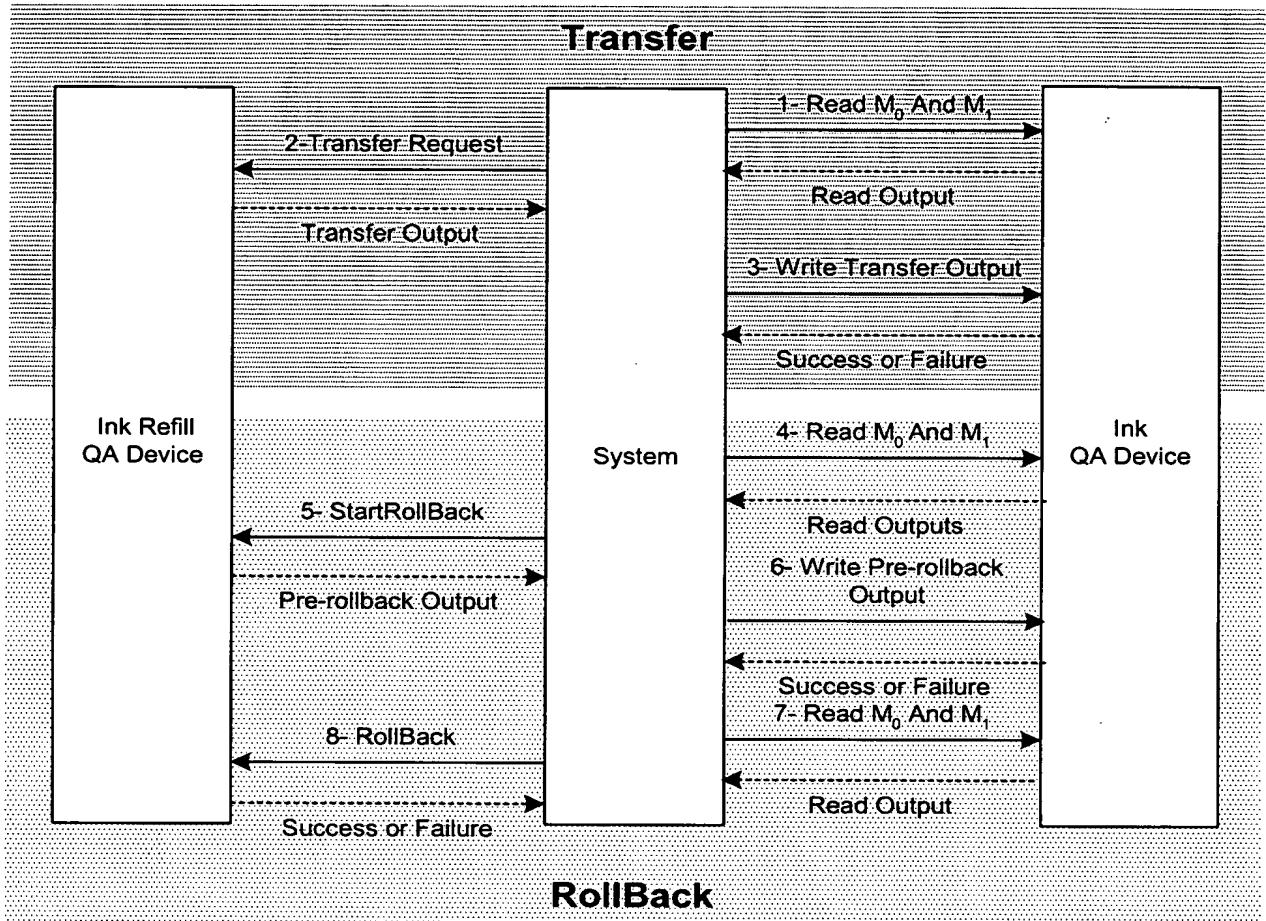


FIG. 378

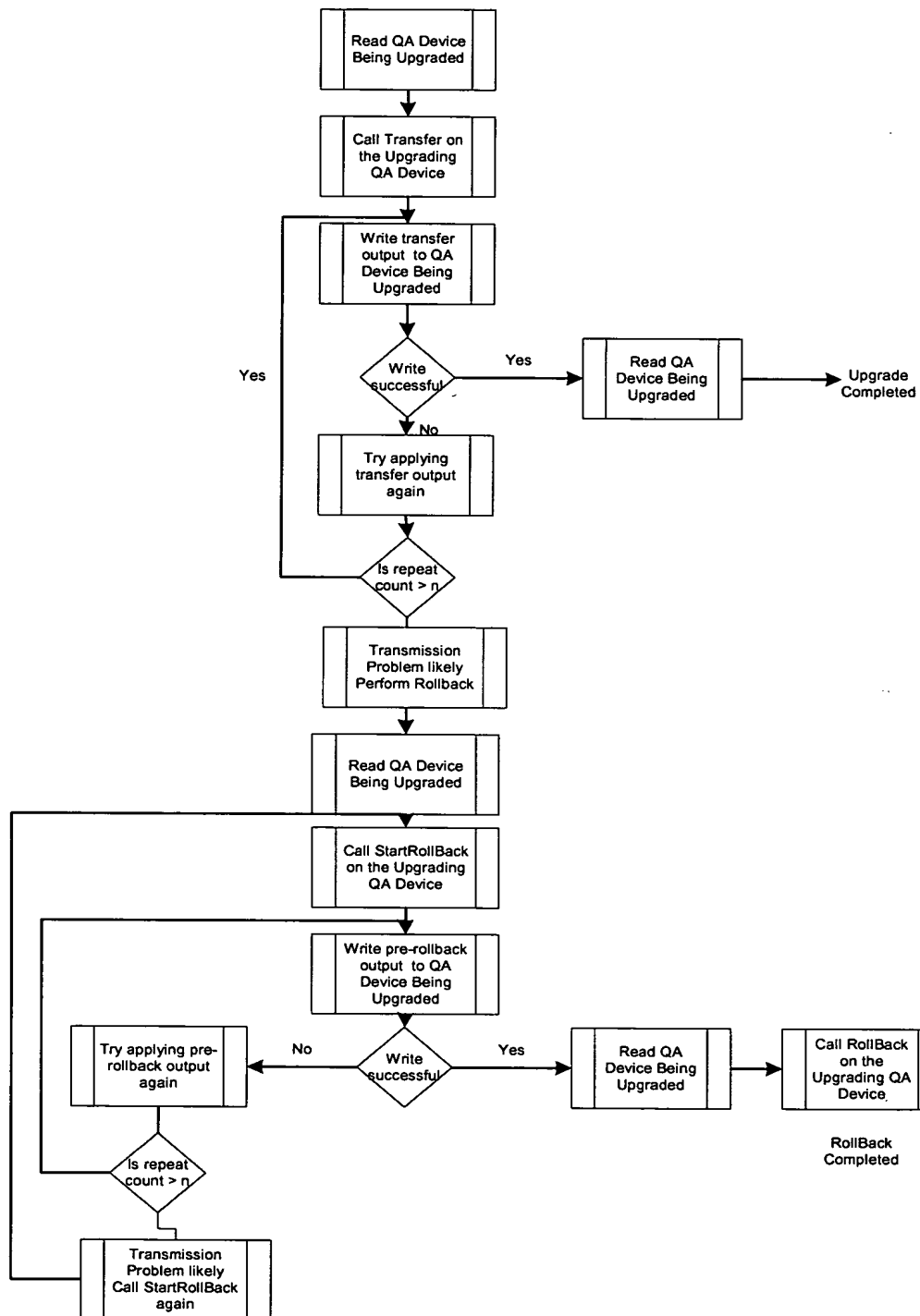
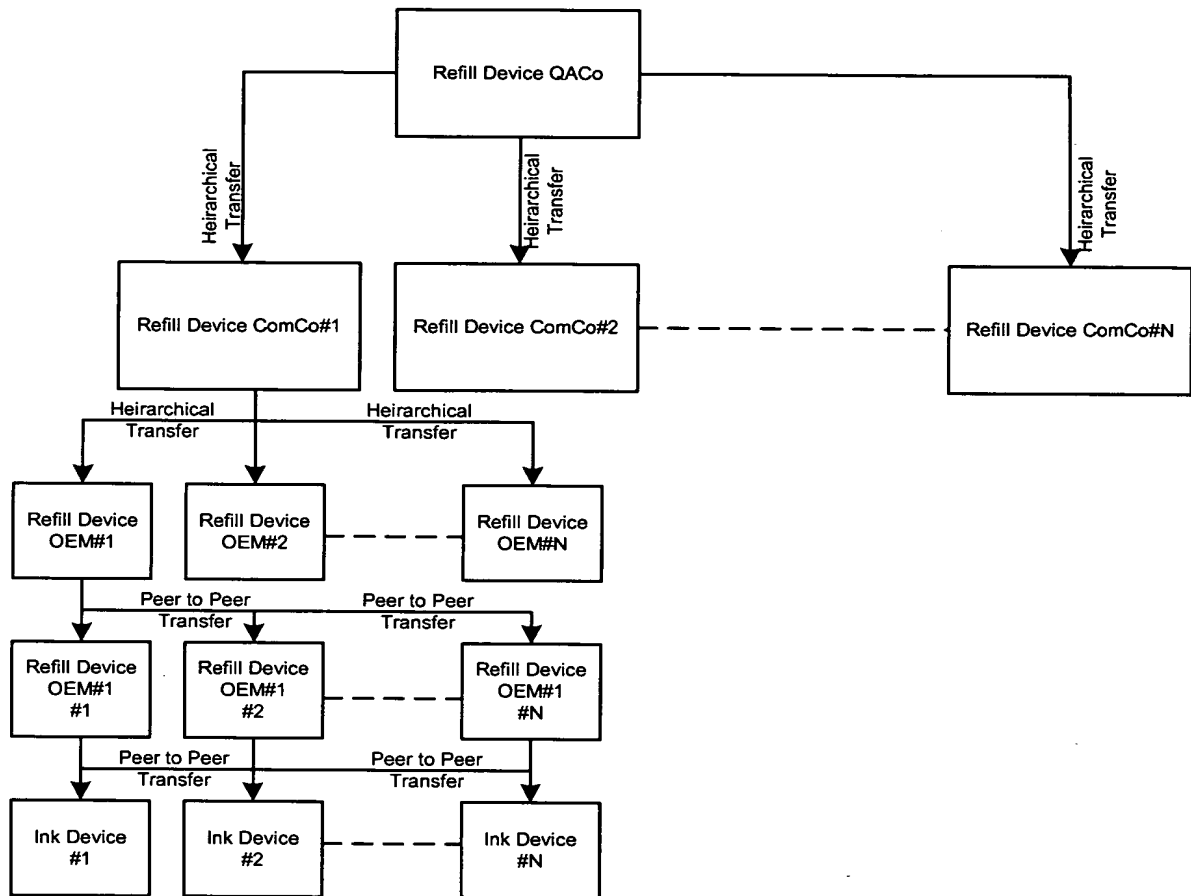


FIG. 379

*FIG. 380*

310/331

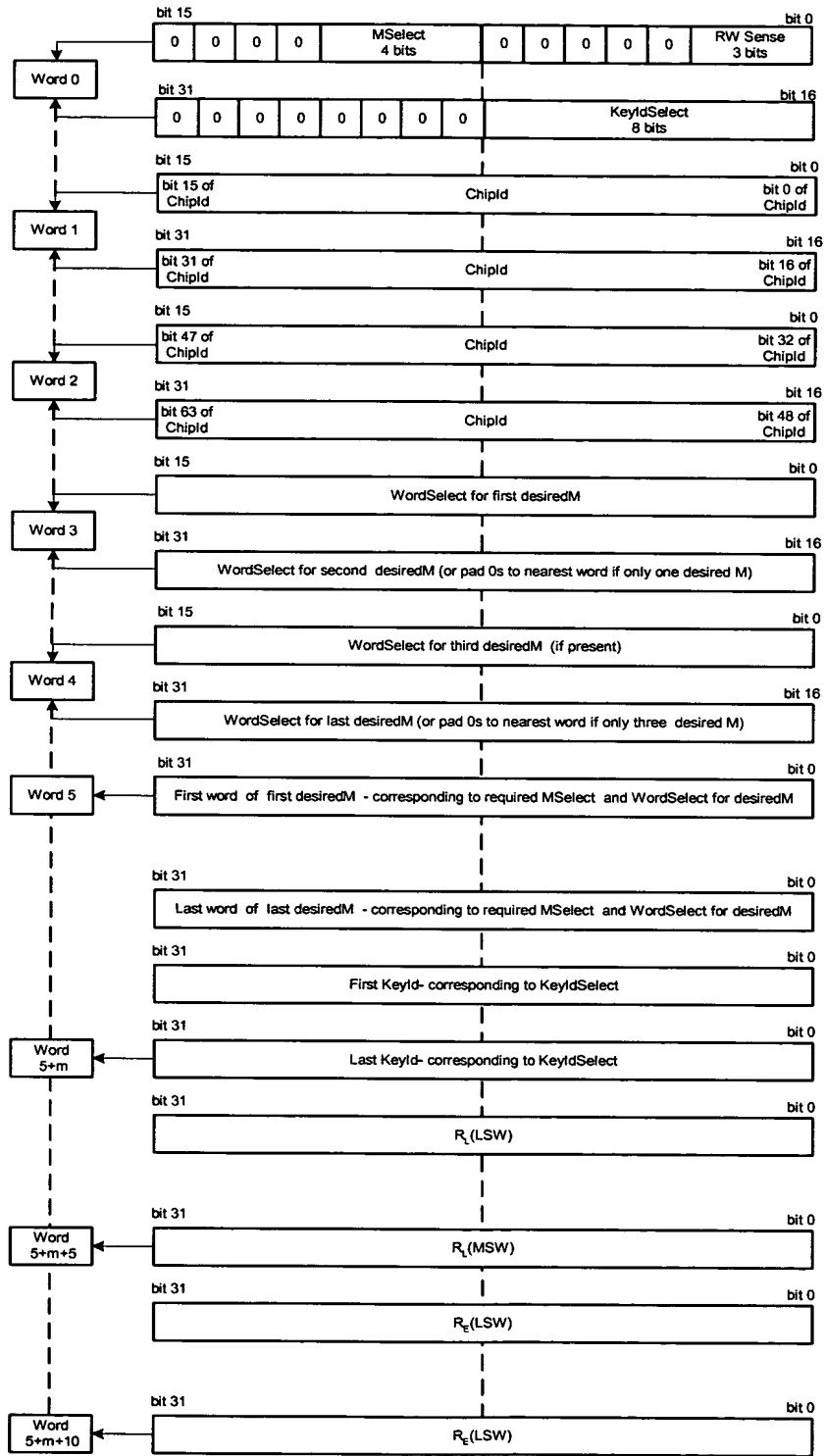


FIG. 381

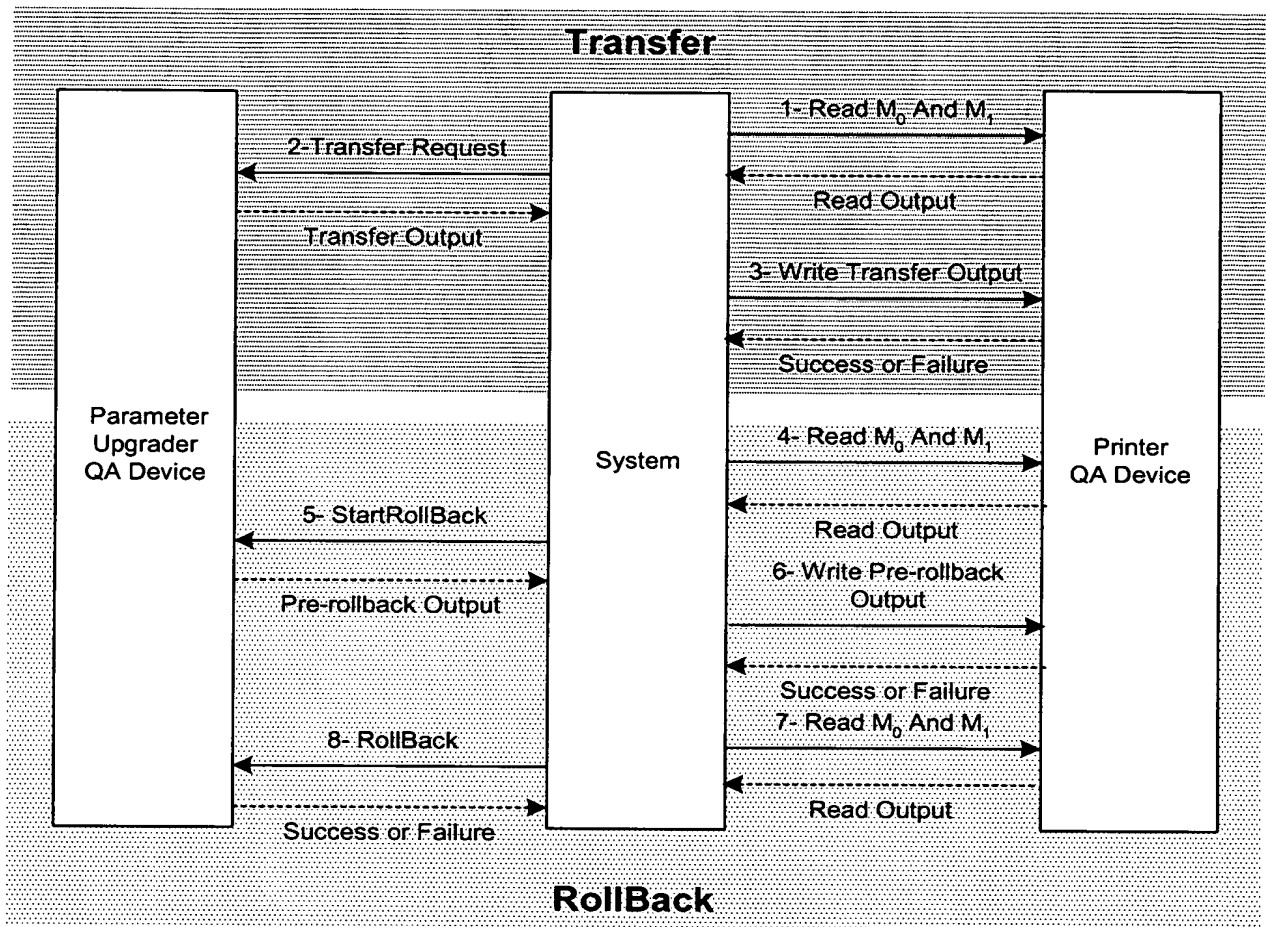


FIG. 382

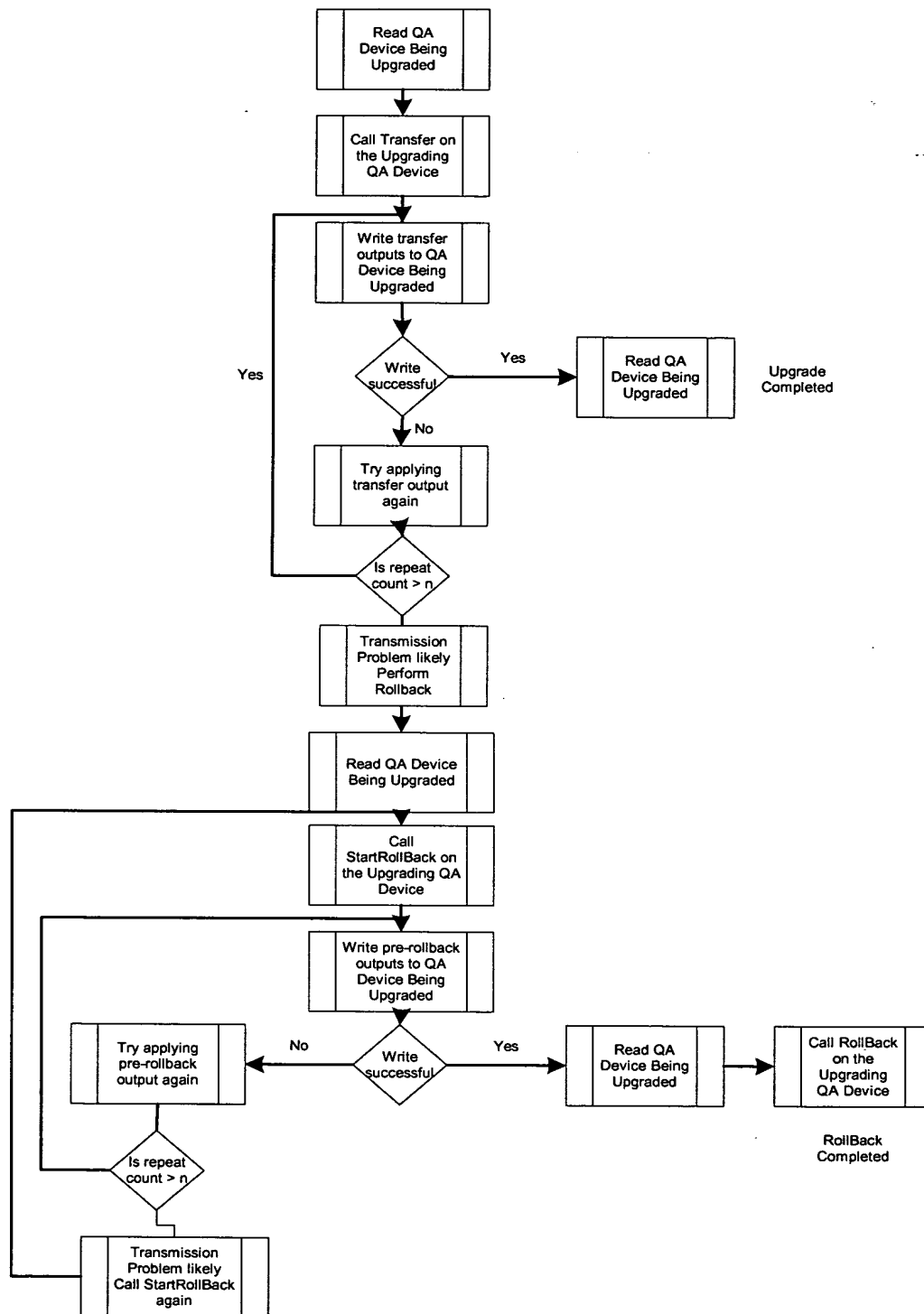


FIG. 383

313/331

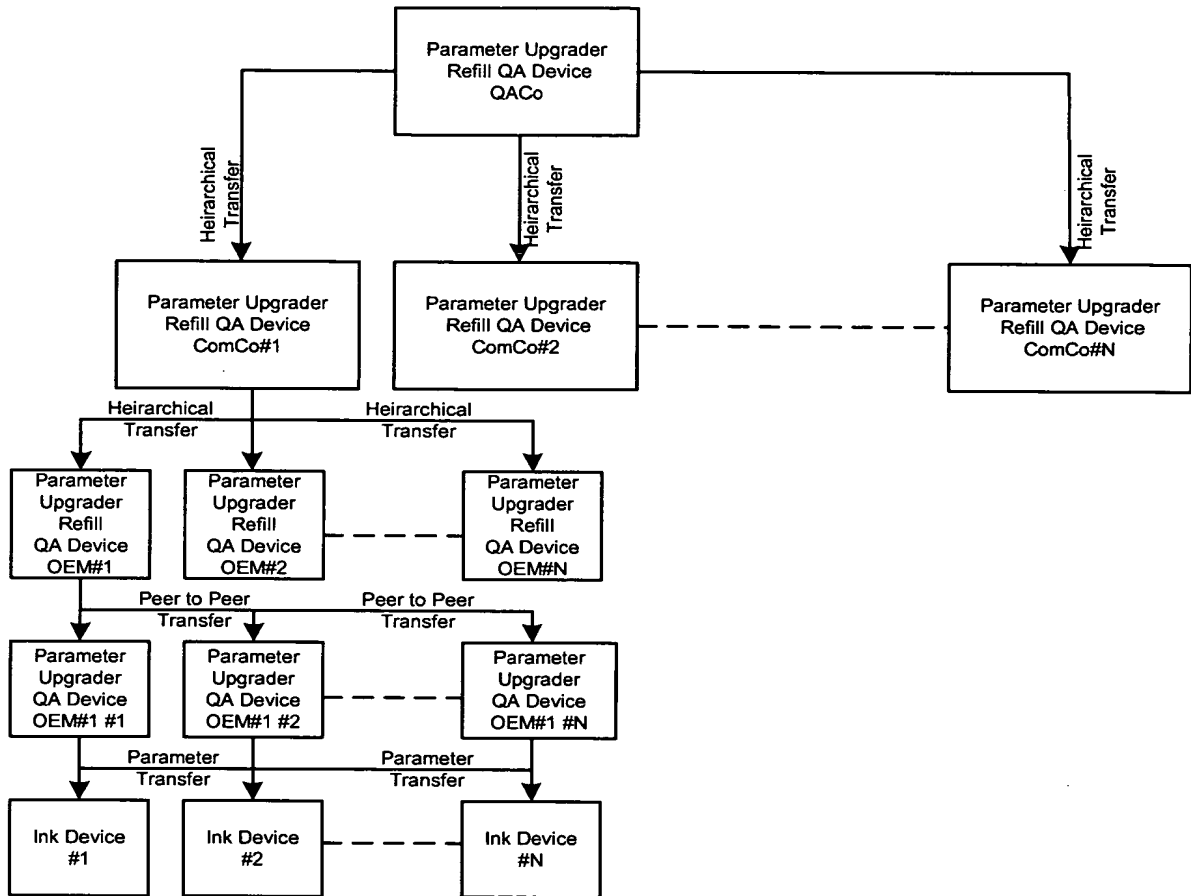


FIG. 384

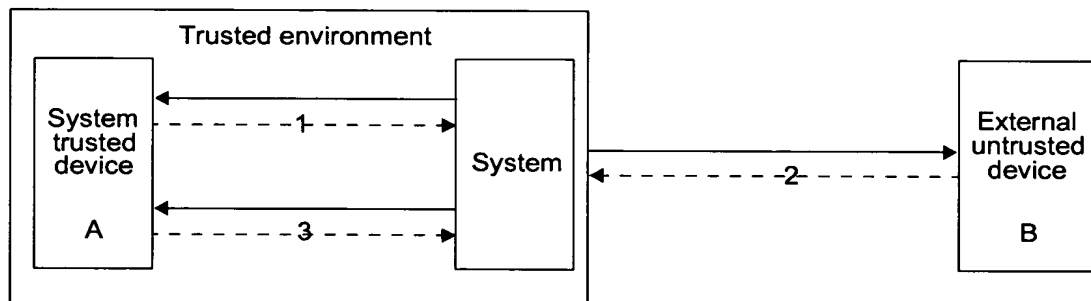


FIG. 385

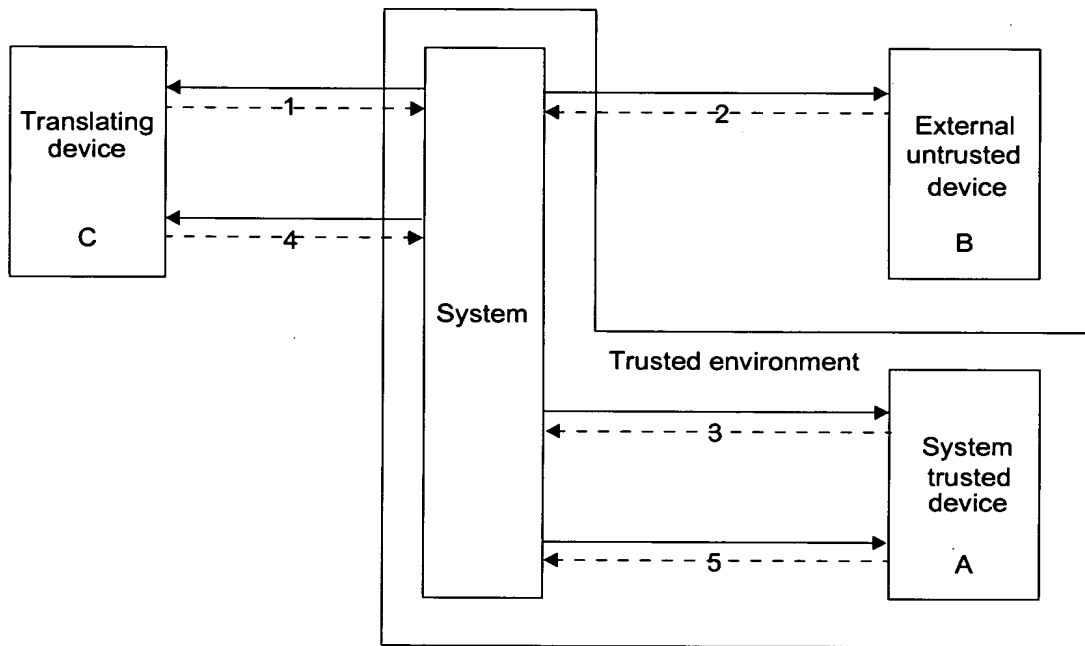


FIG. 386

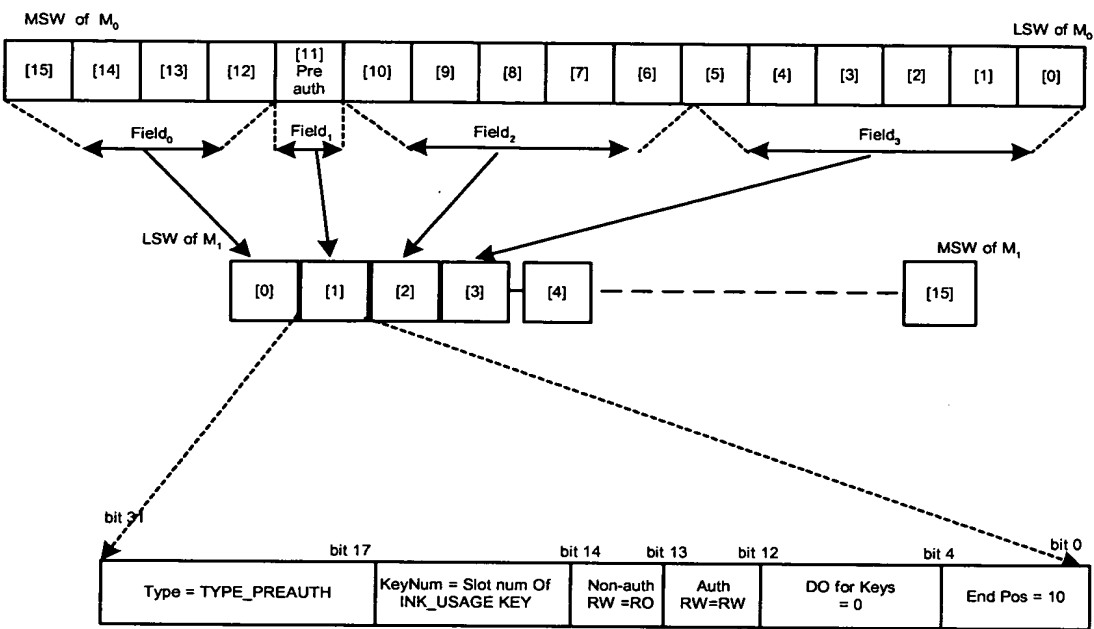


FIG. 387

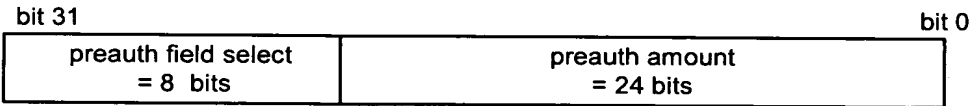


FIG. 388

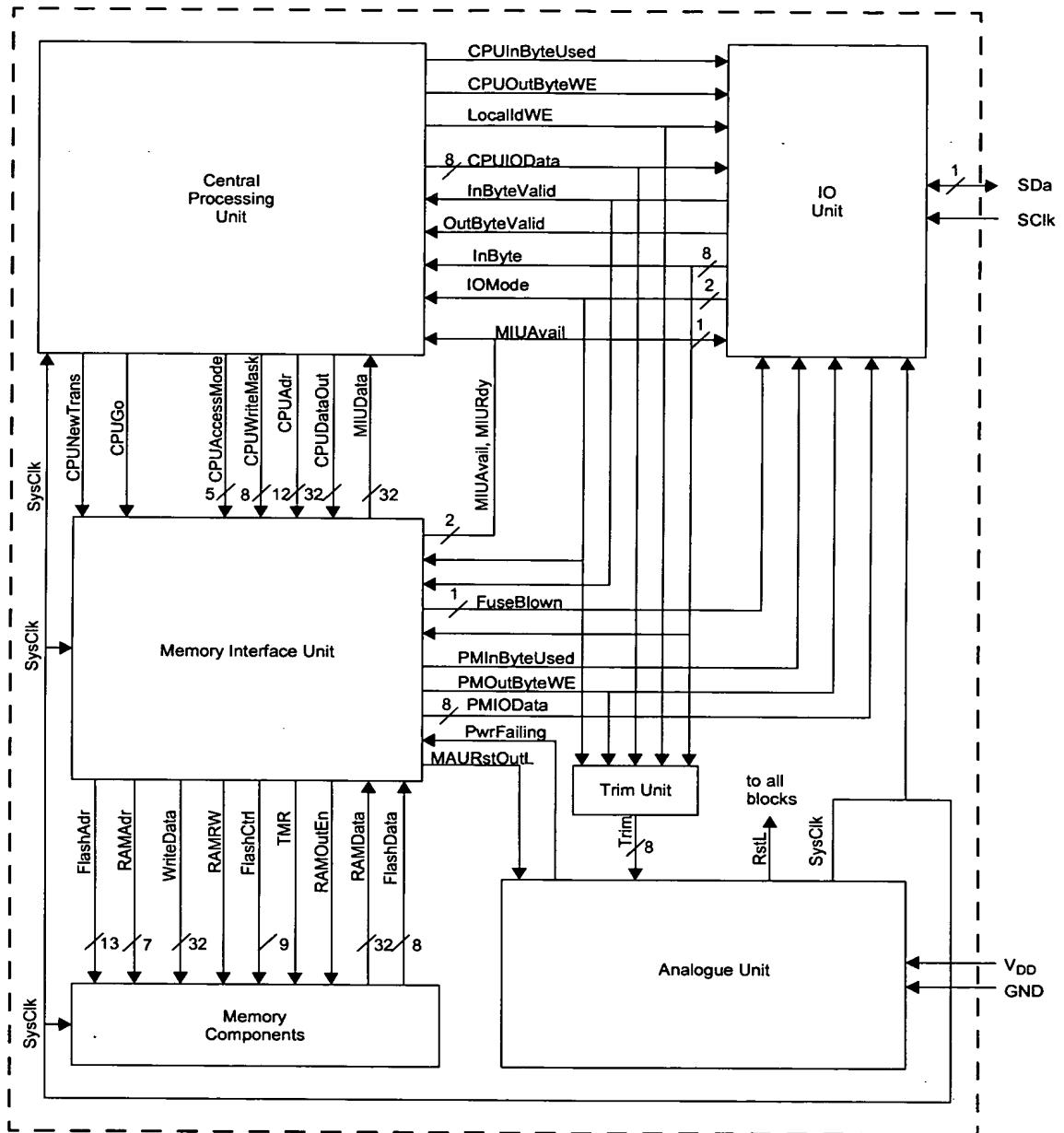


FIG. 389

317/331

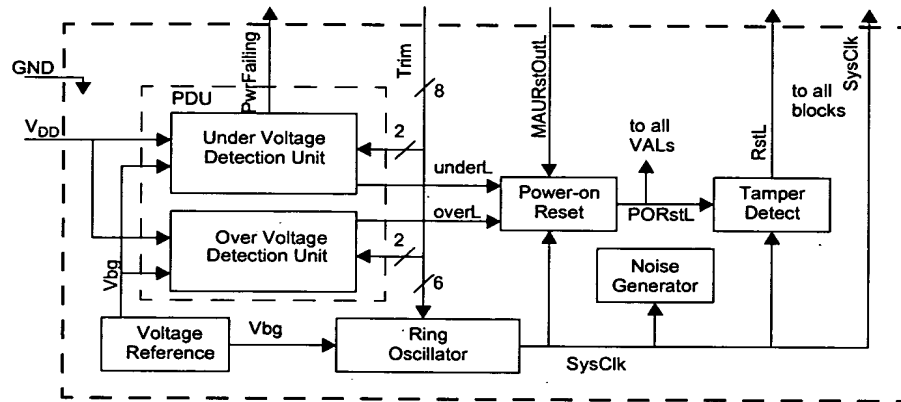


FIG. 390

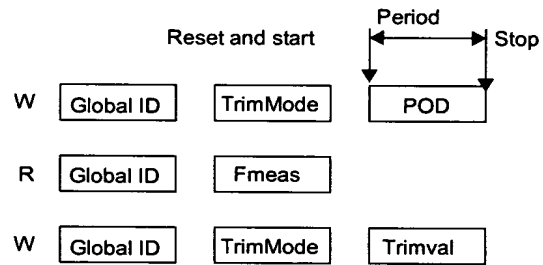


FIG. 391

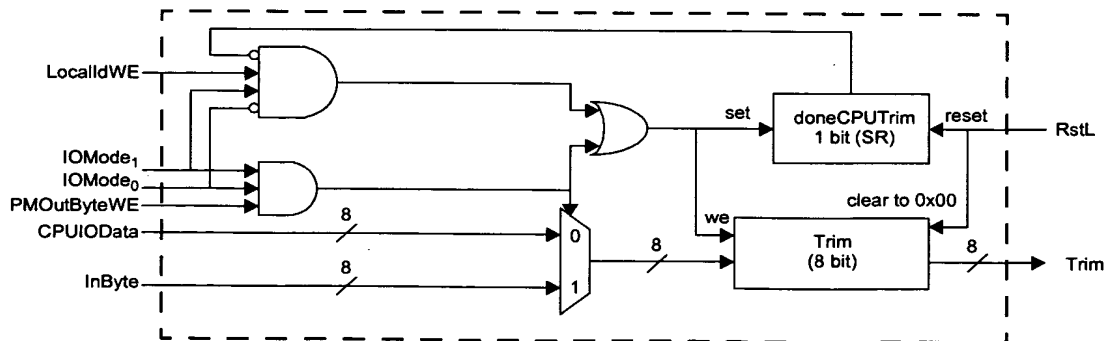


FIG. 392

318/331

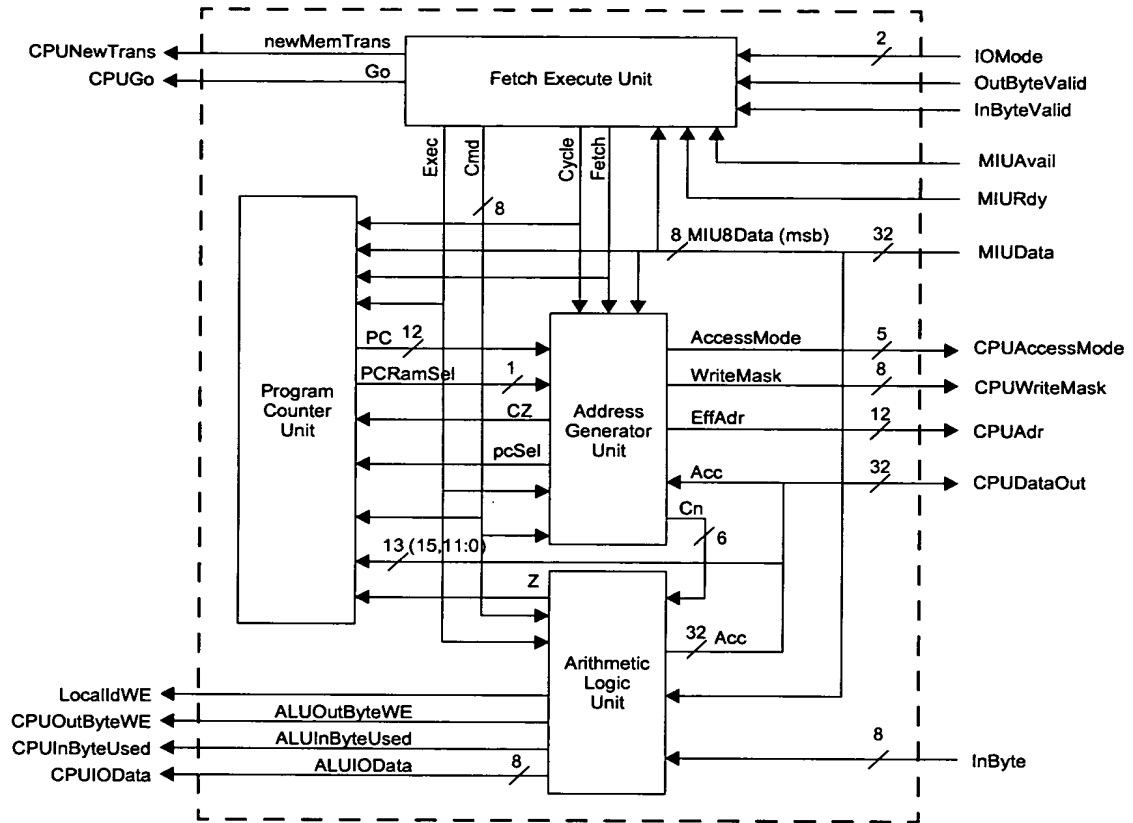


FIG. 393

319/331

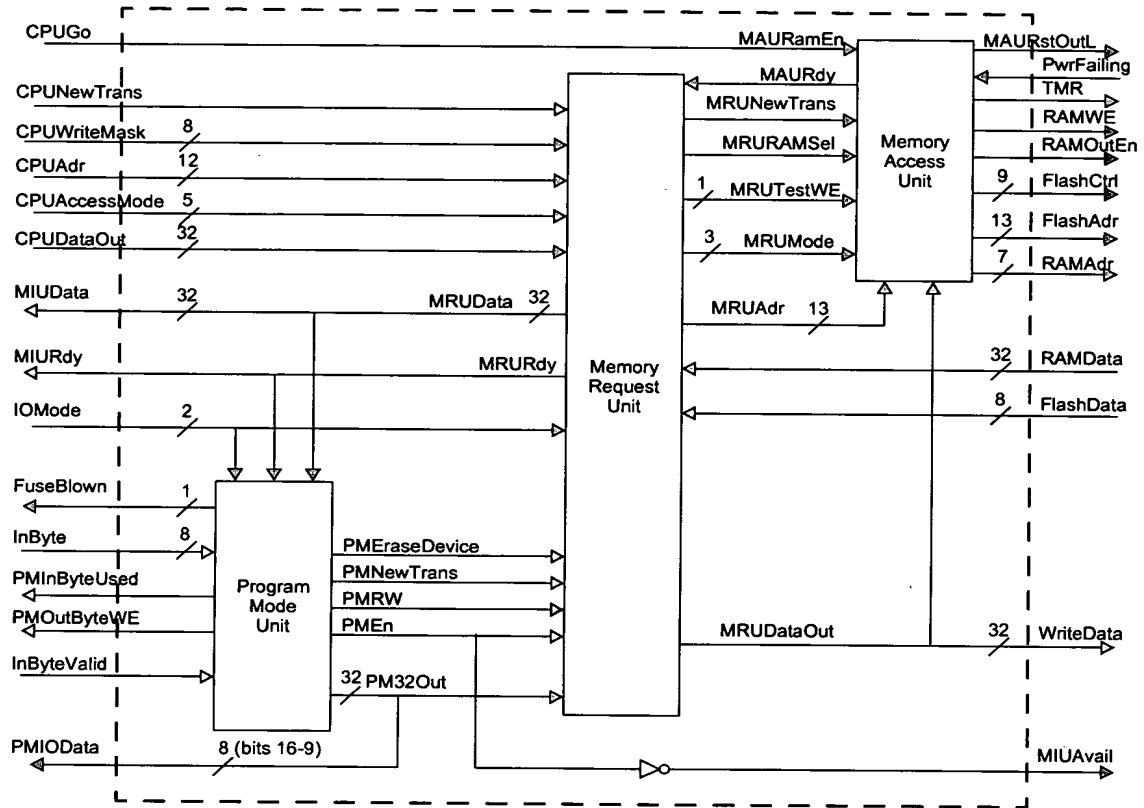


FIG. 394

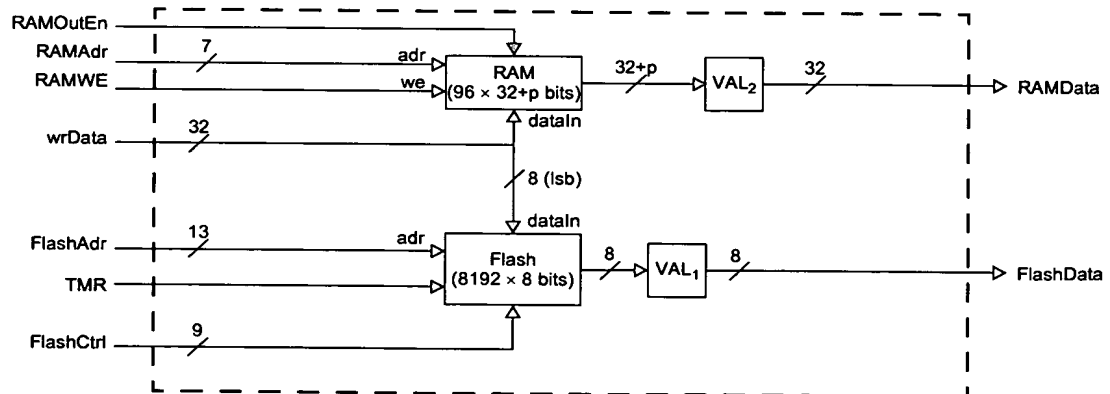


FIG. 395

Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0
PrID6	PrID5	PrID4	PrID3	PrID2	PrID1	PrID0	R/*W 0 = write 1 = read

FIG. 396

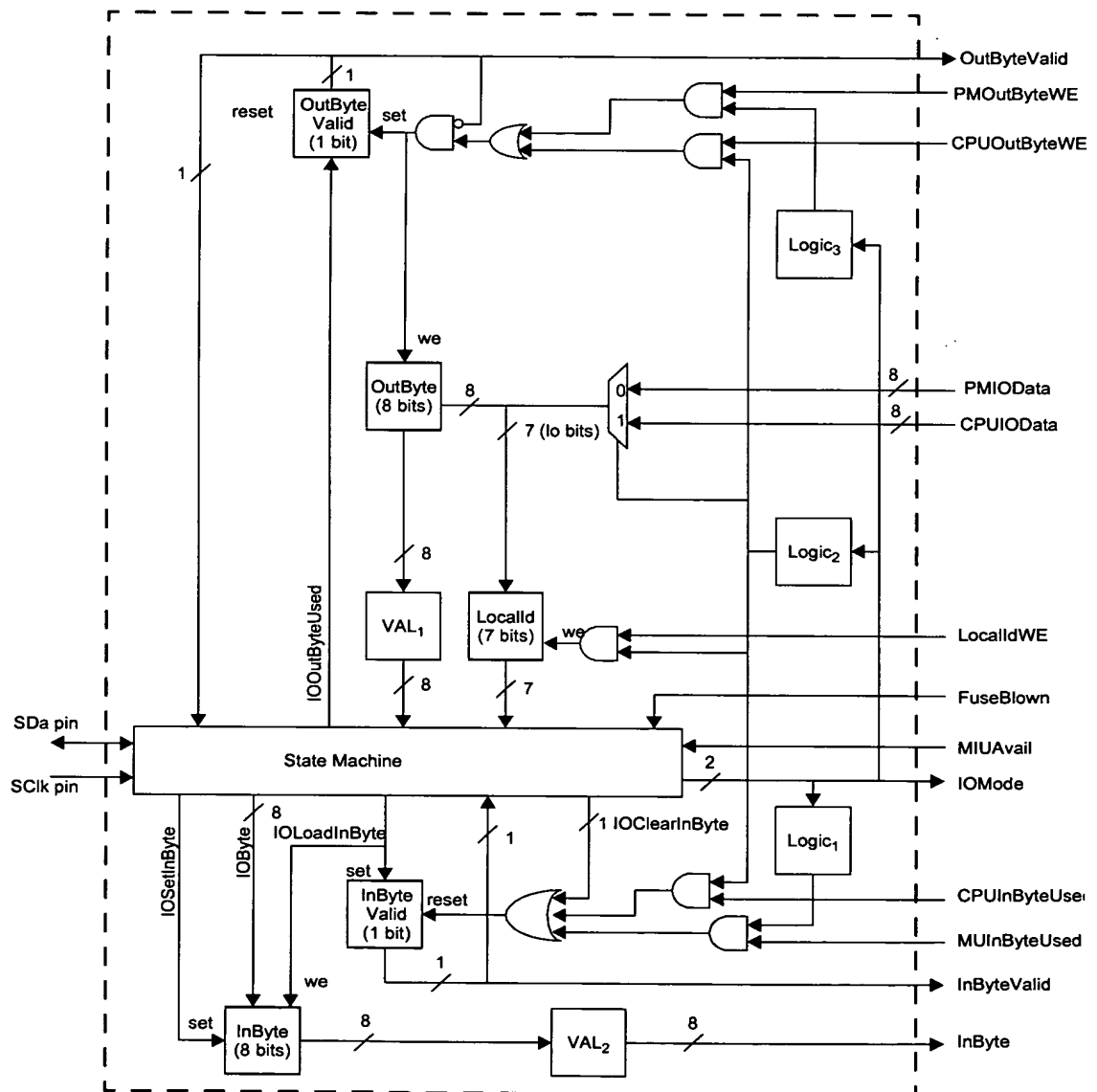


FIG. 397

321/331

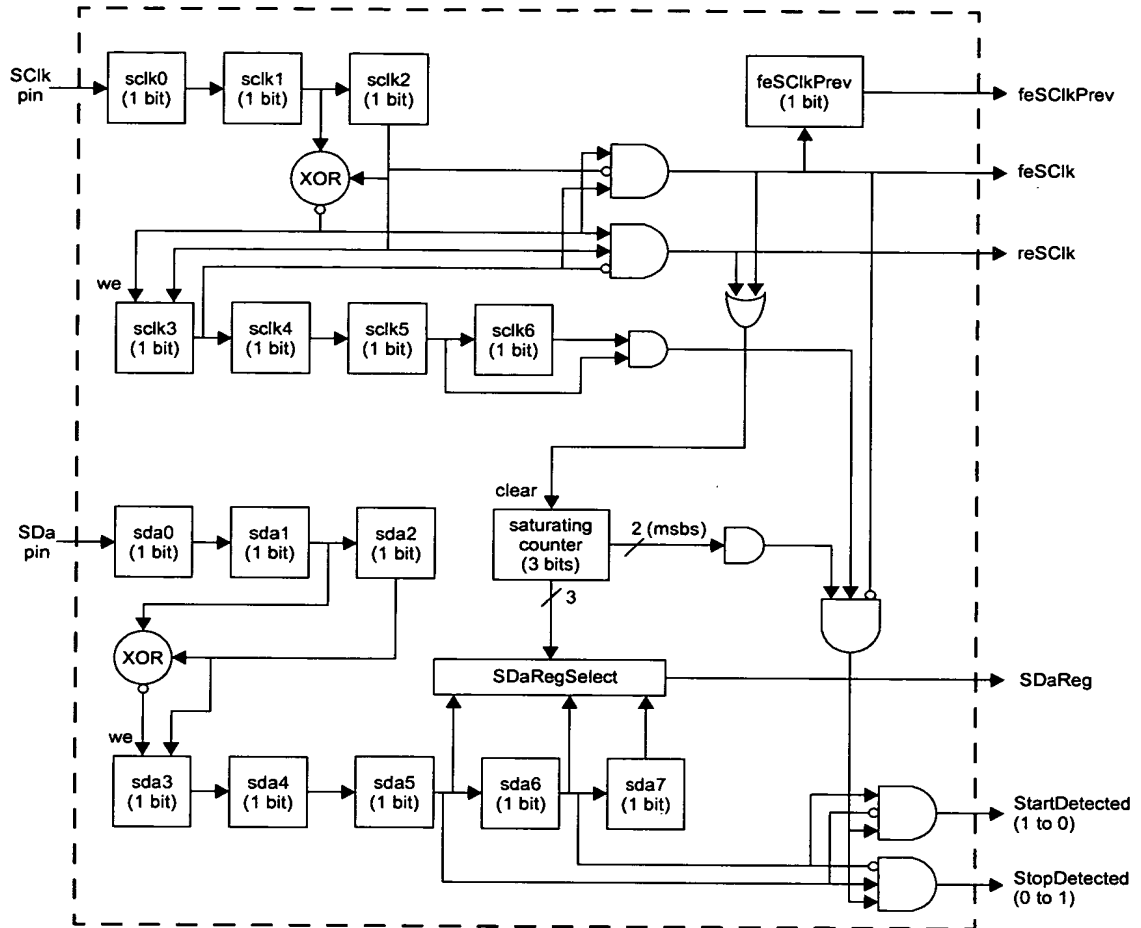


FIG. 398

322/331

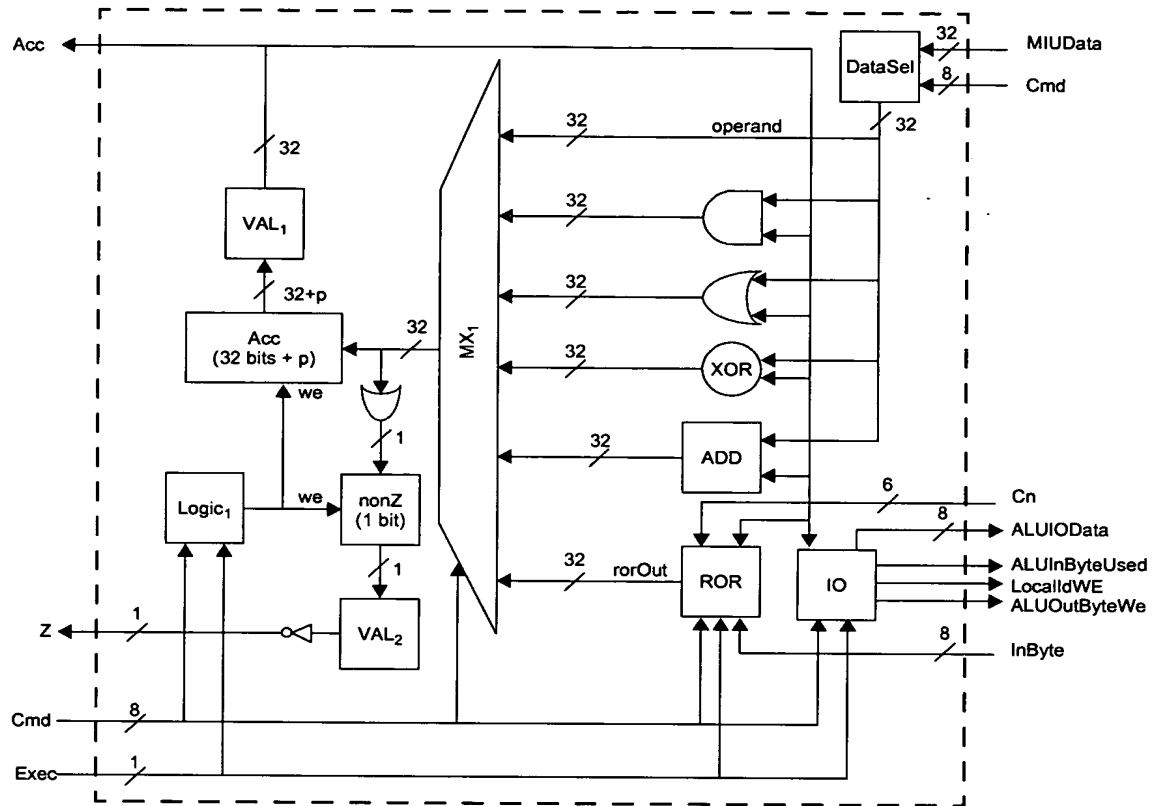


FIG. 399

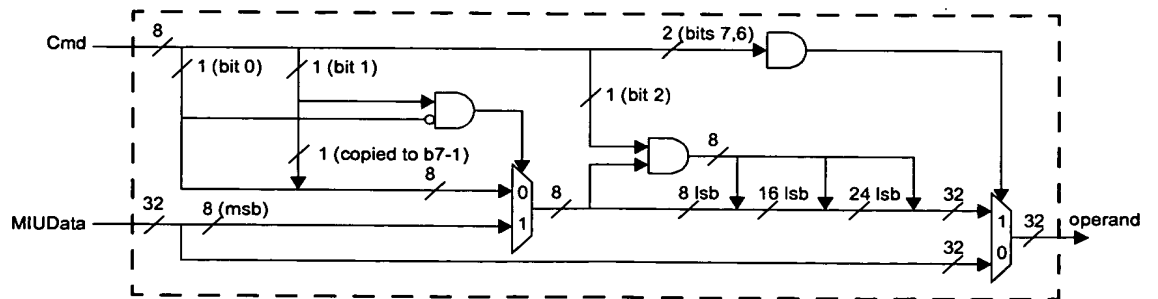


FIG. 400

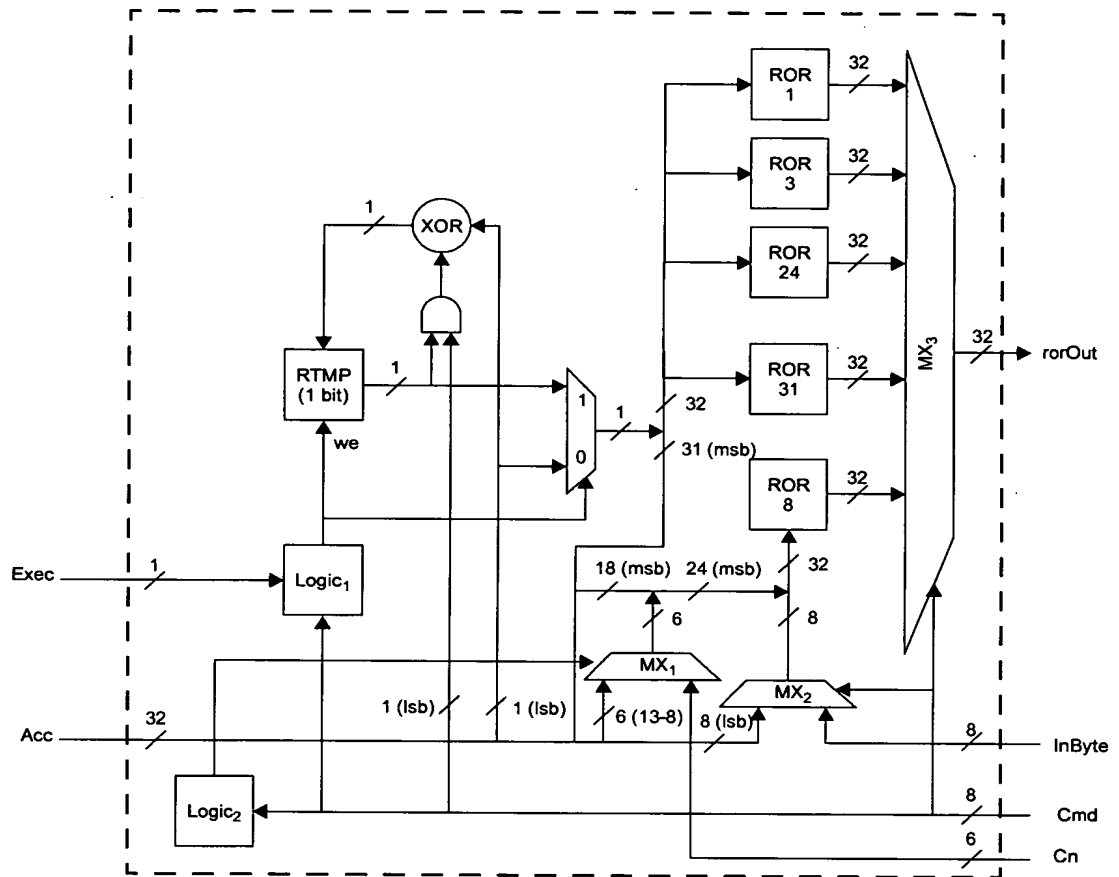


FIG. 401

324/331

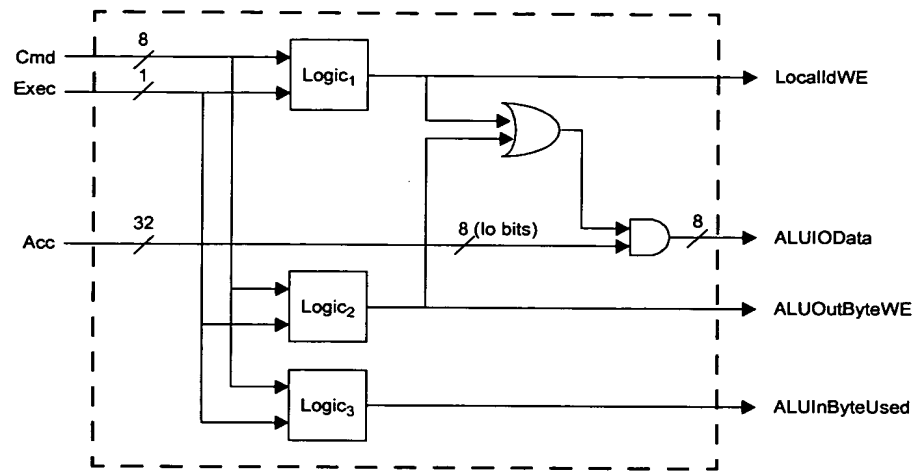


FIG. 402

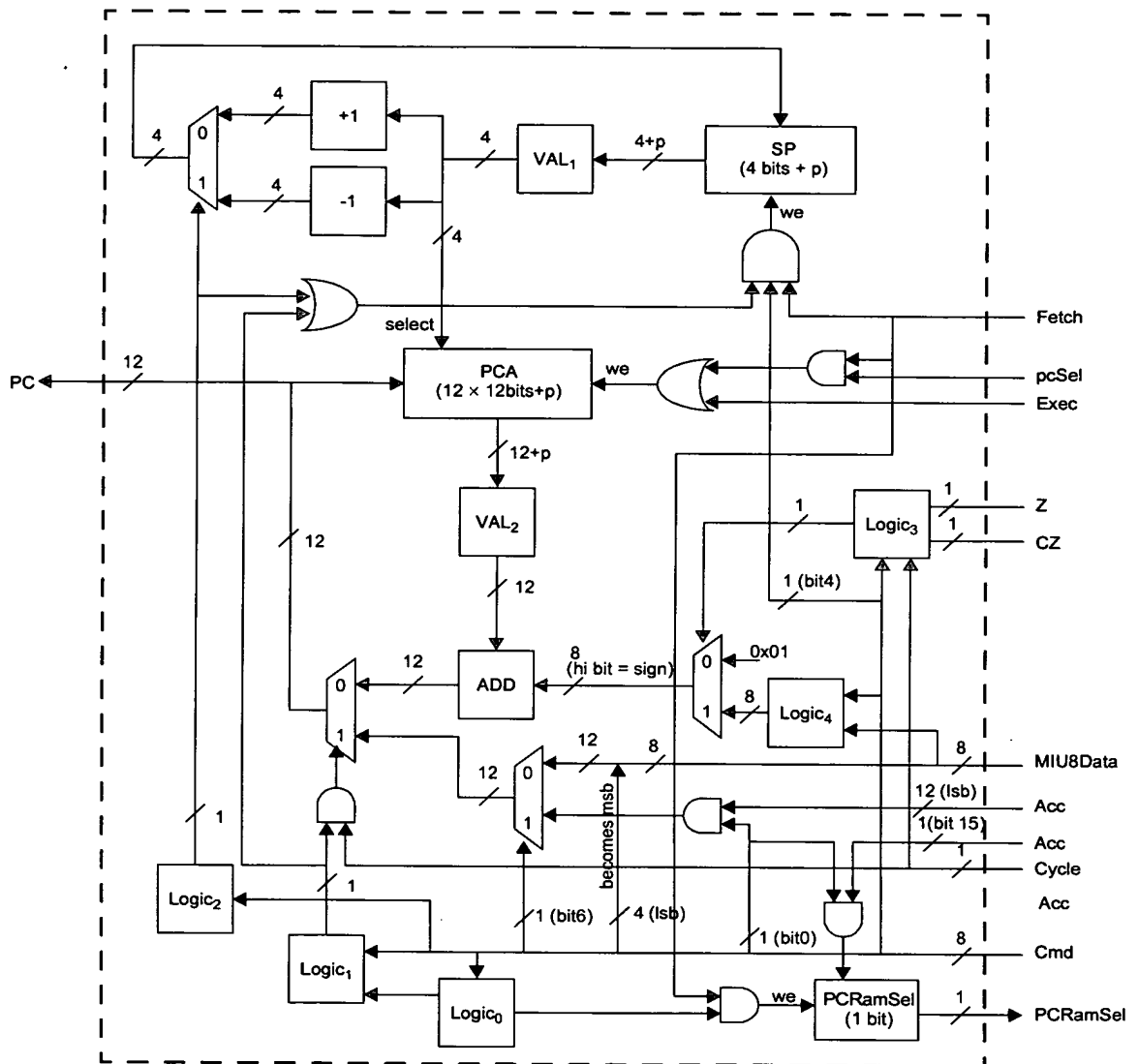


FIG. 403

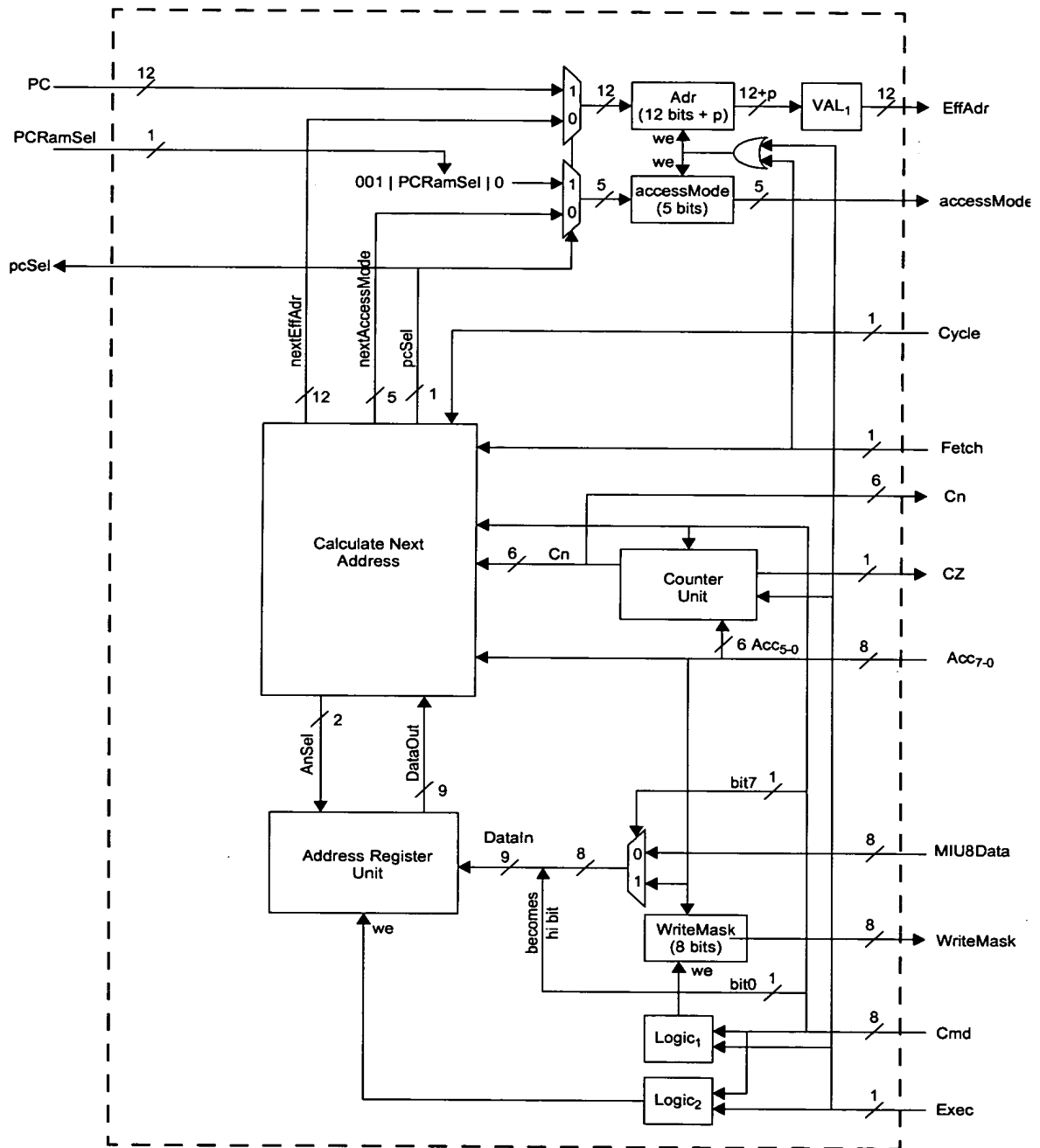


FIG. 404

327/331

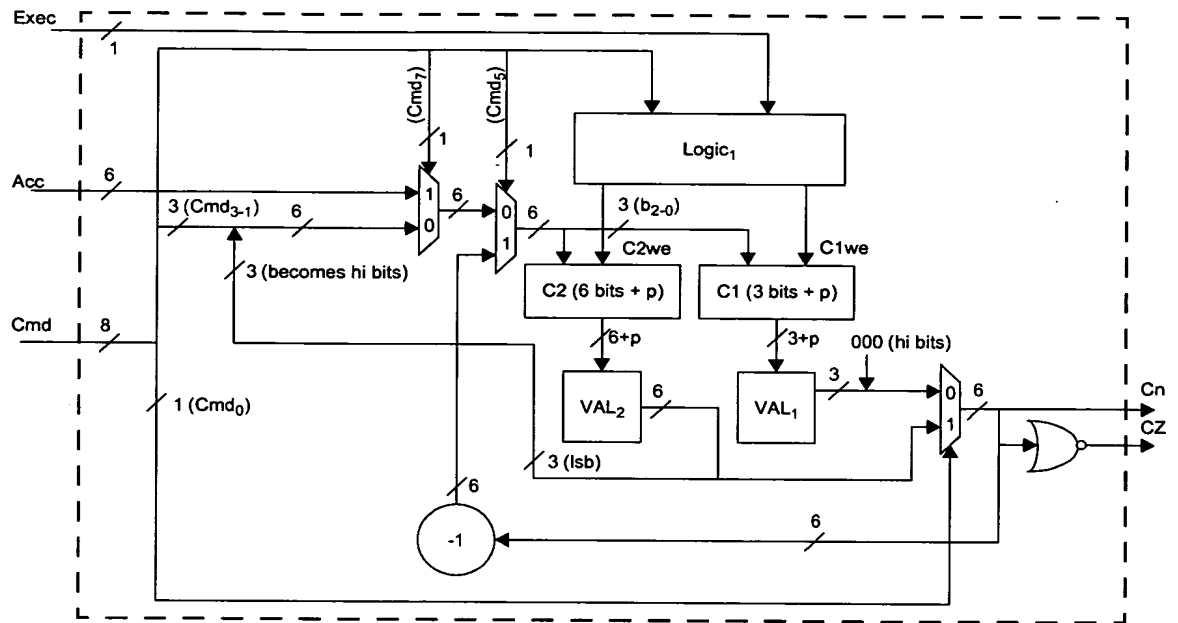


FIG. 405

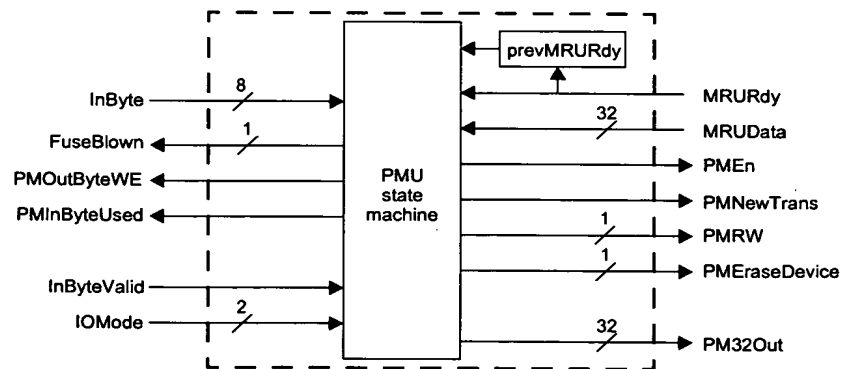


FIG. 406

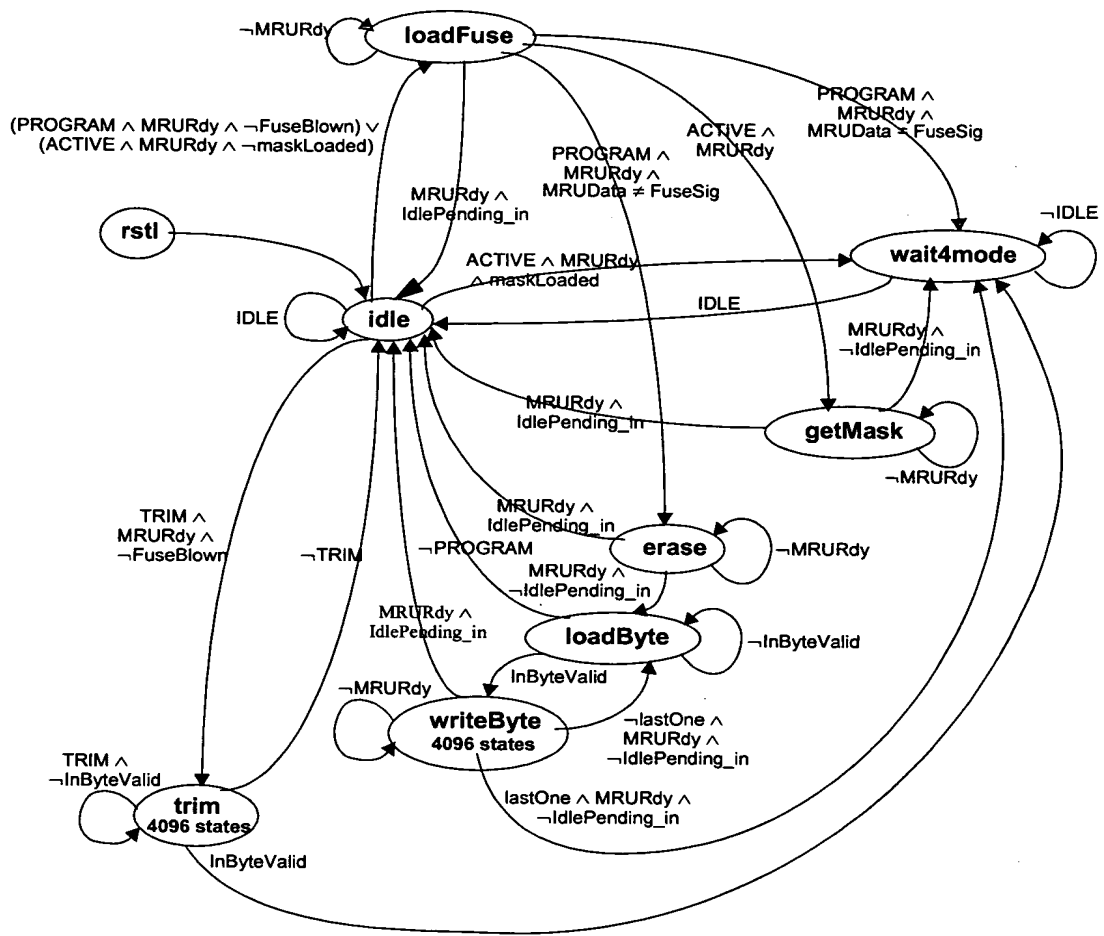


FIG. 407

329/331

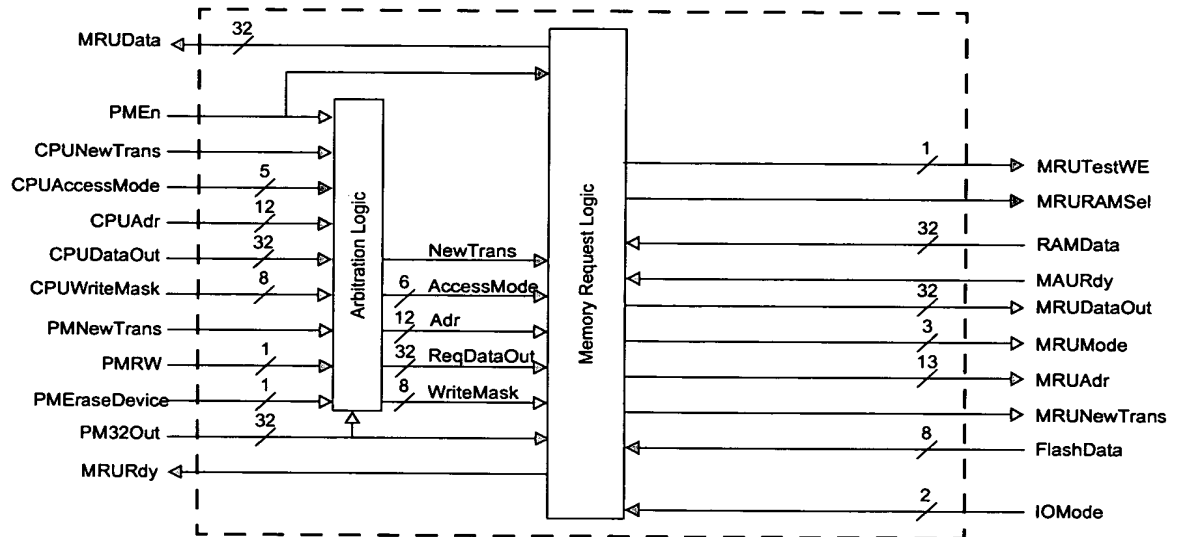


FIG. 408

330/331

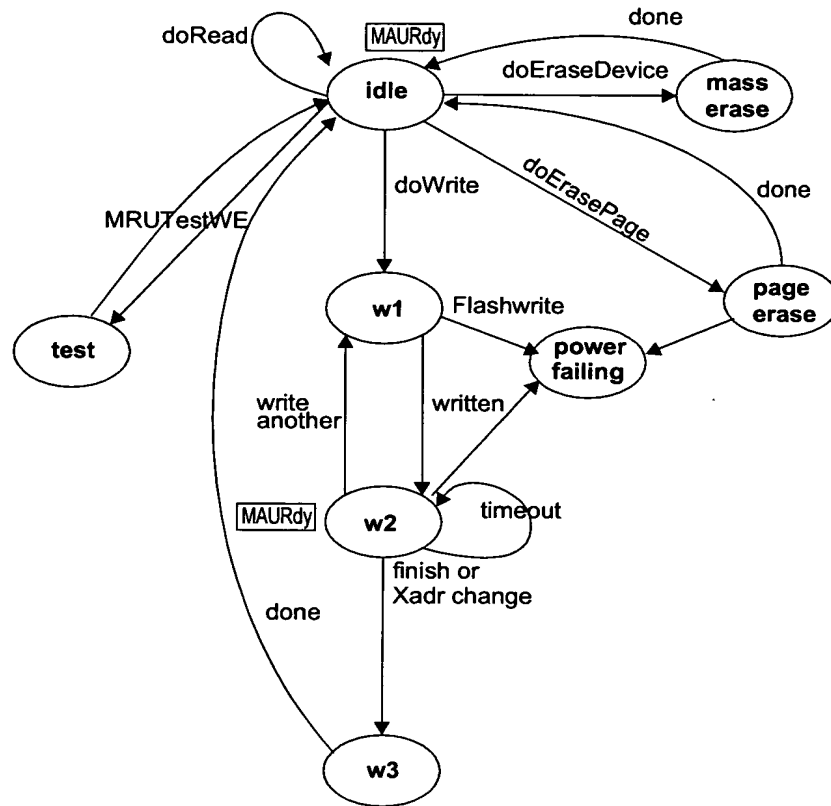


FIG. 409

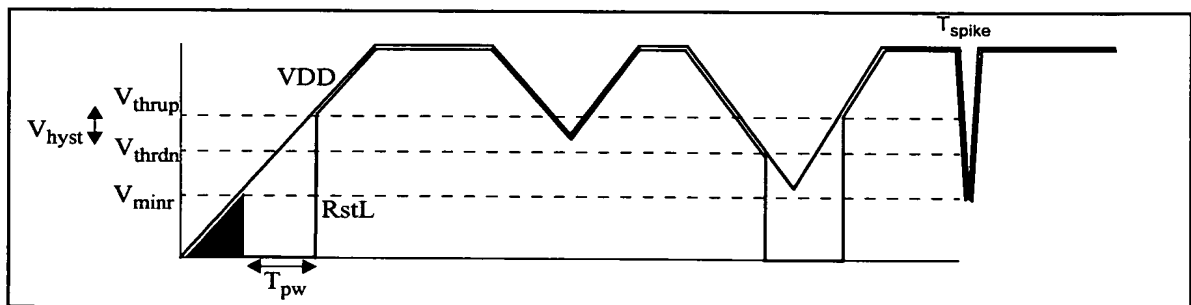


FIG. 410

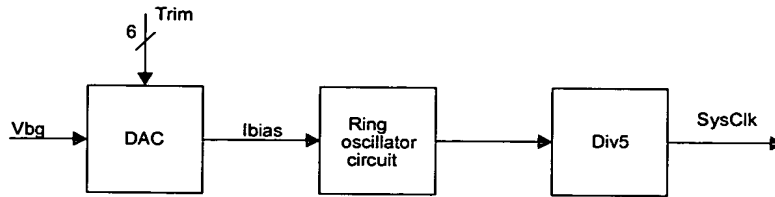


FIG. 411

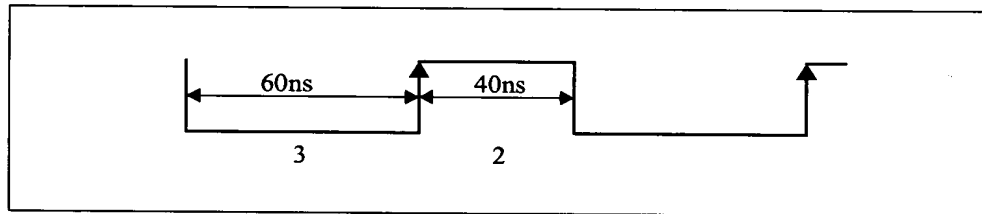


FIG. 412

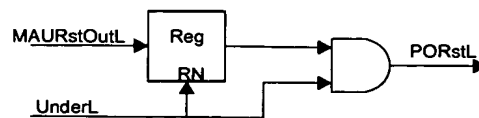


FIG. 413